Controller's Office

To the Honorable Mayor and City Council of the City of Houston, Texas:

I hereby certify, with respect to the money required for the contract, agreement, obligation or expenditure contemplated by the ordinance set out below that: Funds have been encumbered out of funds previously appropriated for such purpose. Funds have been certified and designated to be appropriated by separate ordinance to be () approved prior to the approval of the ordinance set out below. () Funds will be available out of current or general revenue prior to the maturity of any such obligation. () No pecuniary obligation is to be incurred as a result of approving the ordinance set out below. The money required for the expenditure or expenditures specified below is in the treasury, in the () fund or funds specified below, and is not appropriated for any other purposes. A certificate with respect to the money required for the expenditure or expenditures specified () below is attached hereto and incorporated bereby by this reference. Other - Grant Funds Available () Date: Stplulur 2, 2013 City Controller of the City of Houston, Texas FUND REF: 741-20-1844-3635 AMOUNT: \$240,000.00 ENCUMB. NO.: PE20CTF0316 City of Houston, Texas Ordinance No. 2003-802

AN ORDINANCE AWARDING THE CONTRACT TO TOTAL POWER SYSTEMS, INC.

FOR PUMP, SUBMERSIBLE-LARGE REPAIR SERVICES FOR PUBLIC WORKS AND ENGINEERING DEPARTMENT; PROVIDING A MAXIMUM CONTRACT AMOUNT; CONTAINING PROVISIONS RELATING TO THE SUBJECT; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HOUSTON, TEXAS:

Section 1. Having duly advertised for and received competitive bids for the contract described in the title of this ordinance, the City Council hereby finds and determines that the lowest responsible and secure bid was submitted by <u>Total Power Systems</u>, <u>Inc.</u> in the amount of \$4,000,000.00 (which amount is only an estimate if unit prices are included in the bid proposal of said bidder) and that such bid is the most advantageous for the City. Such contract is hereby awarded to said bidder.

Section 2. The City Council hereby approves and authorizes the Contract, agreement or other undertaking described in the title of this Ordinance, in substantially the form as shown in the document which is attached hereto and incorporated herein by this reference. The Mayor is hereby

authorized to execute such document and all related documents (including any related surety bonds) on behalf of the City of Houston. The City Secretary is hereby authorized to attest to all such signatures and to affix the seal of the City to all such documents.

Section 3. The Mayor is hereby authorized to take all actions necessary to effectuate the City's intent and objectives in approving such contract, agreement, or other undertaking in the event of changed circumstances.

Section 4. The City Attorney is hereby authorized to take all action necessary to enforce all legal obligations under said contract without further authorization from Council.

Section 5. The total allocation for the contract, agreement or other undertaking approved and authorized hereby shall never exceed \$4,000,000.00 unless and until this sum is increased by ordinance of City Council.

Section 6. There exists a public emergency requiring that this Ordinance be passed finally on the date of its introduction as requested in writing by the Mayor; therefore, this Ordinance shall be passed finally on such date and shall take effect immediately upon its passage and approval by the Mayor; however, in the event that the Mayor fails to sign this Ordinance within five days after its passage and adoption, it shall take effect in accordance with Article VI, Section 6, Houston City Charter.

PASSED AND ADOPTED this day o	Experimen, 2003.
APPROVED this day of	, 20
Pursuant to Article VI, Section 6, Hous Ordinance is <u>SEP 0 9 2003</u> .	Mayor of the City of Houston ton City Charter, the effective date of the foregoing City Secretary
(Prepared by: Strategic Purchasing Finance and Administration Dept.	(Contact: Richard Morris) (Phone: 247-1772)
	m by the undersigned legal assistant and has been criteria. The Legal Department has not reviewed the Legal Assistant
(Basic Form GMS159:AWARD-APPROV-SU 10/95)	JPP. ALLOCAT. ORD.; Approved by City Attorney

MAYOR BROWN COUNCIL MEMBERS TATRO GALLOWAY GOLDBERG EDWARDS WISEMAN ELLIS KELLER VASQUEZ ALVARADO PARKER ABSENT QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED	AYE	NO	2003-802	
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WISEMAN ELLIS KELLER VASQUEZ ALVARADO PARKER ABSENT QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			GOLDBERG	
KELLER VASQUEZ ALVARADO PARKER QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			EDWARDS	
KELLER VASQUEZ ALVARADO PARKER QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			WISEMAN	
VASQUEZ ALVARADO PARKER ABSENT QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			ELLIS	
ALVARADO PARKER QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			KELLER	
PARKER QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			VASQUEZ	
ABSENT QUAN SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED				
SEKULA-GIBBS BERRY ROBINSON CAPTION ADOPTED			PARKER	
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SECTION C GENERAL TERMS & CONDITIONS

THE STATE OF TEXAS		BID#LO	C-R-0 73 9-	027-13831	
		ORDINA	NCE #		
COUNTY OF HARRIS .					
I. PARTIES					
A.	<u>Addres</u>	<u>s</u>			
THIS AGREEMENT FOR PU	MP, LARGE	SUBMERSIBLE	PUMP	REPAIR	SERVICES
FOR THE PUBLIC WORKS AND	D ENGINEERI	NG DEPARTMEN	T ("Agree	ement") is	made on the
Countersignature Date between the C	CITY OF HOUS	TON, TEXAS ("C	ity"), a m	unicipal co	rporation and
TOTAL POWER SYSTEMS, INC. (("Contractor or Ve	endor"), a corporation	n doing bu	siness in Te	exas.
The initial addresses of the parties, wh	nich one party may	y change by giving v	vritten not	ice to the of	ther party, are
as follows:					
City		<u>Contract</u>	<u>or</u>		
City Purchasing Agent for Director	Total Pov	Total Power Systems, Inc.			
of the Public Works and Engineering I	7135 Ard	7135 Ardmore			
City of Houston	Houston,	Houston, TX 77054			
P.O. Box 1562	Phone: (7	Phone: (713) 747-1025			
Houston, Texas 77251	Fax: (713	Fax: (713) 749-9642			
The Parties agree as follows:					
R .	Table of Co	ntents			

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- F. CERTIFICATION OF NO SAFETY IMPACT POSITIONS
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C. Parts Incorporated

The above described sections and exhibits are incorporated into this Agreement.

D. <u>Controlling Parts</u>

If a conflict among the sections or exhibits arises the Exhibits control over the Sections.

E. <u>Definitions</u>

Certain terms used in this Agreement are defined in Exhibit "A".

F. Signatures

ATTEST/SEAL (if a corporation): WITNESS (if not a corporation):	Total Power System, Inc.
By: Name: Title:	Name: STEVEN J. BRAding Title: U. P. C. C. C. T. Federal Tax ID Number: 1-74-2192286-9
ATTEST/SEAL:	CITY OF HOUSTON, TEXAS Signed by:
City Secretary	Mayor
APPROVED:	COUNTERSIGNED BY:
Mun Dulls City Purchasing Agent	City Controller DATE COUNTERSIGNED:
	he undersigned legal assistant and has been found to meet Department has not reviewed the content of these documents.
8-13-03 Date	Denda Walfare Legal Assistant

The Parties have executed this Agreement in multiple copies, each of which is an original.

II. DUTIES OF CONTRACTOR

A. Scope of Services

In consideration of the payments specified in this Agreement, Contractor shall provide all labor, material, and supervision necessary to perform the services described in Exhibit "B."

B. RELEASE

CONTRACTOR AGREES TO AND SHALL RELEASE THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY THE CITY) FROM ALL LIABILITY FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS OR PROPERTY SUSTAINED IN CONNECTION WITH OR INCIDENTAL TO PERFORMANCE UNDER THIS AGREEMENT, EVEN IF THE INJURY, DEATH, DAMAGE, OR LOSS IS CAUSED BY THE CITY'S SOLE OR CONCURRENT NEGLIGENCE AND/OR THE CITY'S STRICT PRODUCTS LIABILITY OR STRICT STATUTORY LIABILITY.

C. INDEMNIFICATION

CONTRACTOR AGREES TO AND SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY "THE CITY") HARMLESS FOR ALL CLAIMS, CAUSES OF ACTION, LIABILITIES, FINES, AND EXPENSES (INCLUDING, WITHOUT LIMITATION, ATTORNEY'S FEES, COURT COSTS, AND ALL OTHER DEFENSE COSTS AND INTEREST) FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS OR PROPERTY SUSTAINED IN

CONNECTION WITH OR INCIDENTA TO PERFORMANCE UNDER THIS AGREEMENT INCLUDING, WITHOUT LIMITATION, THOSE CAUSED BY:

- (1) CONTRACTOR'S AND/OR ITS AGENTS', EMPLOYEES',
 OFFICERS', DIRECTORS', CONTRACTORS', OR
 SUBCONTRACTORS' (COLLECTIVELY IN NUMBERED
 PARAGRAPHS 1-3, "CONTRACTOR") ACTUAL OR ALLEGED
 NEGLIGENCE OR INTENTIONAL ACTS OR OMISSIONS;
- (2) THE CITY'S AND CONTRACTOR'S ACTUAL OR ALLEGED CONCURRENT NEGLIGENCE, WHETHER CONTRACTOR IS IMMUNE FROM LIABILITY OR NOT; AND
- (3) THE CITY'S AND CONTRACTOR'S ACTUAL OR ALLEGED STRICT PRODUCTS LIABILITY OR STRICT STATUTORY LIABILITY, WHETHER CONTRACTOR IS IMMUNE FROM LIABILITY OR NOT.

CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY HARMLESS DURING THE TERM OF THIS CONTRACT AND FOR FOUR YEARS AFTER THE CONTRACT TERMINATES. CONTRACTOR'S INDEMNIFICATION IS LIMITED TO \$500,000.00 PER OCCURRENCE. CONTRACTOR SHALL NOT INDEMNIFY THE CITY FOR THE CITY'S SOLE NEGLIGENCE.

D. <u>INDEMNIFICATION PROCEDURES</u>

(1) <u>Notice of Claims</u>. If the City or Contractor receives notice of any claim or circumstances which could give rise to an indemnified loss, the receiving

party shall give written notice to the other party within 10 days. The notice must include the following:

- (a) a description of the indemnification event in reasonable detail,
- (b) the basis on which indemnification may be due, and the anticipated amount of the indemnified loss.

This notice does not stop or prevent the City from later asserting a different basis for indemnification or a different amount of indemnified loss than that indicated in the initial notice. If the City does not provide this notice within the 10 day period, it does not waive any right to indemnification except to the extent that Contractor is prejudiced, suffers loss, or incurs expense because of the delay.

(2) <u>Defense of Claims</u>

- (a) Assumption of Defense. Contractor may assume the defense of the claim at its own expense with counsel chosen by it that is reasonably satisfactory to the City. Contractor shall then control the defense and any negotiations to settle the claim. Within 10 days after receiving written notice of the indemnification request, Contractor must advise the City as to whether or not it will defend the claim. If Contractor does not assume the defense, the City shall assume and control the defense, and all defense expenses constitute an indemnification loss.
- (b) <u>Continued Participation</u>. If Contractor elects to defend the claim, the City may retain separate counsel to participate in (but not control) the defense and to participate in (but not control) any

settlement negotiations. Contractor may settle the claim without the consent or agreement of the City, unless it (i) would result in injunctive relief or other equitable remedies or otherwise require the City to comply with restrictions or limitations that adversely affect the City, (ii) would require the City to pay amounts that Contractor does not fund in full, (iii) would not result in the City's full and complete release from all liability to the plaintiffs or claimants who are parties to or otherwise bound by the settlement.

E. Insurance

Contractor shall maintain in effect certain insurance coverage and shall furnish certificates of insurance, in duplicate form, before beginning its performance under this Agreement. All policies except Professional Liability and Worker's Compensation must name the City as an additional insured. All liability policies must be issued by a Company with a Certificate of Authority from the State Department of Insurance to conduct insurance business in Texas or a rating of at least B+ and a financial size of Class VI or better according to the current year's Best's Key Rating Guide, Property-Casualty United States. Contractor shall maintain the following insurance coverages in the following amounts:

- (1) Commercial General Liability insurance including Contractual Liability insurance:
 - \$500,000 per occurrence; \$1,000,000 aggregate
- (2) Worker's Compensation including Broad Form All States endorsement:

 Statutory amount

(3) Automobile Liability insurance

\$1,000,000 combined single limit per occurrence

Defense costs are excluded from the face amount of the policy.

Aggregate Limits are per 12-month policy period unless otherwise indicated.

(4) Employer's Liability

Bodily injury by accident \$100,000 (each accident)

Bodily injury by disease \$100,000 (policy limit)

Bodily injury by disease \$100,000 (each employee)

(5) Pollution Liability Insurance \$1,000,000 each occurrence/combined aggregate

(Pollution liability includes pollution coverage for contractual liability, clean-up costs, abatement, transport and non-owned disposal sites. Including bodily injury liability, property damage liability, environmental damage arising from pollution conditions caused in performance operations. Include asbestos and lead if part of operation)

All insurance polices must require on their face, or by endorsement, that the insurance carrier waives any rights of subrogation against the City, and that it shall give 30 days written notice to the City before they may be canceled, materially changed, or non-renewed. Within the 30 day period, Contractor shall provide other suitable policies in lieu of those about to be canceled, materially changed, or non-renewed so as to maintain in effect the required coverage. If Contractor does not comply with this requirement, the Director, at his or her sole discretion, may:

- (1) immediately suspend Contractor from any further performance under this

 Agreement and begin procedures to terminate for default, or
- (2) purchase the required insurance with City funds and deduct the cost of the premiums from amounts due to Contractor under this Agreement.

F. Warranties

Contractor represents and warrants that it shall perform all work in a good and workmanlike manner, meeting the standards of quality prevailing in Harris County, Texas for work of this kind. Contractor shall perform all work using trained and skilled persons having substantial experience performing the work required under this Agreement.

With respect to any parts and goods furnished by it, Contractor warrants:

- (1) that all items are free of defects in title, material, and workmanship,
- (2) that each item meets or exceeds the manufacturer's specifications and requirements for the equipment, structure, or other improvement in which the item is installed,
- (3) that each replacement item is new in accordance with original equipment manufacturer's specifications, and of a quality at least as good as the quality of the item which it replaces (when the replaced item was new), and
- (4) that no item or its use infringes any patent, copyright, or proprietary right.

G. Licenses and Permits

Contractor shall obtain and pay for all licenses, permits, and certificates required by any statute, ordinance, rule, or regulation.

H. Compliance with Equal Opportunity Ordinance

Contractor shall comply with the City's Equal Employment Opportunity Ordinance as set out in Exhibit "C."

I. MWBE Compliance

Contractor shall comply with the City's Minority and Women Business Enterprise ("MWBE") programs as set out in Chapter 15, Article V of the City of Houston Code of Ordinances. Contractor shall make good faith efforts to award subcontracts or supply agreements in at least 11% of the value of this Agreement to MWBEs. Contractor acknowledges that it has reviewed the requirements for good faith efforts on file with the City's Affirmative Action Division and will comply with them.

Contractor shall require written subcontracts with all MWBE subcontractors and shall submit all disputes with MWBEs to binding arbitration in Houston, Texas if directed to do so by the Affirmative Action Division Director. MWBE subcontracts must contain the terms set out in Exhibit "D." If Contractor is an individual person (as distinguished from a corporation, partnership, or other legal entity), and the amount of the subcontract is \$50,000 or less, the subcontract must also be signed by the attorneys of the respective parties.

J. <u>Drug Abuse Detection and Deterrence</u>

(1) It is the policy of the City to achieve a drug-free workforce and workplace. The manufacture, distribution, dispensation, possession, sale, or use of illegal drugs or alcohol by contractors while on City Premises is prohibited. Contractor shall comply with all the requirements and procedures set forth in the Mayor's Drug Abuse Detection and

Deterrence Procedures for Contractors, Executive Order No. 1-31 ("Executive Order"), which is incorporated into this Agreement and is on file in the City Secretary's Office.

- (2) Before the City signs this Agreement, Contractor shall file with the Contract Compliance Officer for Drug Testing ("CCODT"):
 - (a) a copy of its drug-free workplace policy,
 - (b) the Drug Policy Compliance Agreement substantially in the form set forth in Exhibit "D," together with a written designation of all safety impact positions and,
 - (c) if applicable (e.g. no safety impact positions), the Certification of

 No Safety Impact Positions, substantially in the form set forth in

 Exhibit "E."

If Contractor files a written designation of safety impact positions with its Drug Policy Compliance Agreement, it also shall file every 6 months during the performance of this Agreement or on completion of this Agreement if performance is less than 6 months, a Drug Policy Compliance Declaration in a form substantially similar to Exhibit "F." Contractor shall submit the Drug Policy Compliance Declaration to the CCODT within 30 days of the expiration of each 6-month period of performance and within 30 days of completion of this Agreement. The first 6-month period begins to run on the date the City issues its Notice to Proceed or if no Notice to Proceed is issued, on the first day Contractor begins work under this Agreement.

(3) Contractor also shall file updated designations of safety impact positions with the CCODT if additional safety impact positions are added to Contractor's employee work force.

(4) Contractor shall require that its subcontractors comply with the Executive Order, and Contractor shall secure and maintain the required documents for City inspection.

K. Environmental Laws

Contractor shall comply with all rules, regulations, statutes, or orders of the Environmental Protection Agency ("EPA"), the Texas Natural Resource Conservation Commission ("TNRCC"), and any other governmental agency with the authority to promulgate environmental rules and regulations (Environmental Laws). Contractor shall promptly reimburse the City for any fines or penalties levied against the City because of Contractor's failure to comply.

Contractor shall not possess, use, generate, release, discharge, store, dispose of, or transport any Hazardous Materials on, under, in, above, to, or from the site except in strict compliance with the Environmental Regulations. "Hazardous Materials" means any substances, materials, or wastes that are or become regulated as hazardous or toxic substances under any applicable federal, state, or local laws, regulations, ordinances, or orders. Contractor shall not deposit oil, gasoline, grease, lubricants or any ignitable or hazardous liquids, materials, or substances in the City's storm sewer system or sanitary sewer system or elsewhere on City Property in violation of the Environmental Laws.

L. Contractor's Performance

Contractor shall make citizen satisfaction a priority in providing services under this Agreement. Contractor shall train its employees to be customer service-oriented and to positively and politely interact with citizens when performing contract services. Contractor's employees shall be clean, courteous, efficient, and neat in appearance and

committed to offering the highest quality of service to the public. If, in the Director's opinion, Contractor is not interacting in a positive and polite manner with citizens, he or she shall direct Contractor to take all remedial steps to conform to these standards.

M. Payment of Employees and Subcontractors

Contractor shall make timely payments in accordance with applicable state and federal law to all persons and entities supplying labor, materials or equipment for the performance of this Agreement including Contractor's employees.

Failure of Contractor to pay it's employees as required by law shall constitute a default under this contract for which the Contractor and it's surety shall be liable on Contractor's performance bond if Contractor fails to cure the default as provided under this Agreement.

Contractor shall defend and indemnify the City from any claims or liability arising out of Contractors failure to pay its subcontractors as required by law. Contractor shall submit disputes relating to payment of M/WBE subcontractors to arbitration in the same manner as any other disputes under the M/WBE Subcontract.

III. DUTIES OF CITY

A. Payment Terms

The City shall pay and Contractor shall accept fees at the unit prices provided in Exhibit H for all services rendered and the Deliverables furnished by Contractor. The fees must only be paid from Allocated Funds, as provided below.

Any quantities of services or Deliverables shown in any part of this contract or its exhibits are estimates only and are not any guarantee that the City will not purchase more or less of those services or Deliverables. The City will pay only for the services or Deliverables actually ordered and only at the unit prices set out.

B. Taxes

The City is exempt from payment of Federal Excise and Transportation Tax and Texas Limited Sales and Use Tax. Contractor's invoices to the City must not contain assessments of any of these taxes. The Director will furnish the City's exemption certificate and federal tax identification number to Contractor if requested.

C. Method of Payment

The City shall pay Contractor on the basis of invoices submitted by Contractor and approved by the Director, showing the specific tasks completed in the preceding month and the corresponding prices. The City shall make payments to Contractor at its address for notices within 30 days of receipt of an approved invoice.

D. <u>Method of Payment - Disputed Payments</u>

If the City disputes any items in an invoice Contractor submits for any reason, including lack of supporting documentation, the Director shall temporarily delete the disputed item

and pay the remainder of the invoice. The Director shall promptly notify Contractor of

the dispute and request remedial action. After the dispute is settled, Contractor shall

include the disputed amount on a subsequent regularly scheduled invoice or on a special

invoice for the disputed item only.

E. <u>Limit of Appropriation</u>

(1) The City's duty to pay money to Contractor under this Agreement is

limited in its entirety by the provisions of this Section.

(2) In order to comply with Article II, Sections 19 and 19a of the City's

Charter and Article XI, Section 5 of the Texas Constitution, the City has

appropriated and allocated the sum of \$240,000.00 to pay money due

under this Agreement (the "Original Allocation"). The executive and

legislative officers of the City, in their discretion, may allocate

supplemental funds for this Agreement, but they are not obligated to do so.

Therefore, the parties have agreed to the following procedures and

remedies:

(3) The City makes a supplemental allocation by sending a notice signed by

the Director and the City Controller to Contractor and where appropriated,

approved by motion, or ordinance of City Council in substantially the

following form:

"NOTICE OF SUPPLEMENTAL ALLOCATION OF FUNDS"

TO:

[Name of Contractor]

FROM:

City of Houston, Texas (the "City")

DATE:

[Date of notice]

SUBJECT: Supplemental allocation of funds for the purpose of the"[title of this Agreement]" between the City and (name of Contractor) countersigned by the City Controller on (Date of Countersignature) (the "Agreement").

I, (name of City Controller), City Controller of the City of Houston, certify that the supplemental sum of \$______, upon the request of the below-signed Director, has been allocated for the purposes of the Agreement out of funds appropriated for this purpose by the City Council of the City of Houston. This supplemental allocation has been charged

The aggregate of all sums allocated for the purpose of such Agreement, including the Original Allocation, and all supplemental allocations (including this one), as of the date of this notice, is \$______.

SIGNED:

(Signature of the City Controller)

City Controller of the City

to such appropriation.

REQUESTED:

(Signature of the Director)

Director

(4) The Original Allocation plus all supplemental allocations are the Allocated Funds. The City shall never be obligated to pay any money under this Agreement in excess of the Allocated Funds. Contractor must assure itself that sufficient allocations have been made to pay for services it provides. If Allocated Funds are exhausted, Contractor's only remedy is suspension or termination of its performance under this Agreement and it

has no other remedy in law or in equity against the City and no right to damages of any kind.

F. Changes

Olirector upon written authorization by the City Purchasing Agent may issue a Change Order to increase or decrease the scope of services or change plans and specifications, as he or she may find necessary to accomplish the general purposes of this Agreement. Contractor shall furnish the services or deliverables in the Change Order in accordance with the requirements of this Agreement plus any special provisions, specifications, or special instructions issued to execute the extra work.

(2) The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent will issue the Change Order in substantially the following form:

CHANGE ORDER

TO:

[Name of Contractor]

FROM:

City of Houston, Texas (the "City")

DATE:

[Date of Notice]

SUBJECT: Change Order under the Agreement between the City and [Name of Contractor] countersigned by the City Controller on [Date of countersignature of the Agreement]

Subject to all terms and conditions of the Agreement, the City requests that Contractor provide the following:

[Here describe the additions to or changes to the equipment or services and the Change Order Charges applicable to each.]

Signed:

[Signature of City Purchasing Agent or Director upon written notice to the City Purchasing Agent]

- (3) The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may issue more than one Change Order, subject to the following limitations:
 - (a) Council expressly authorizes the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent, to approve a Change Order of up to \$25,000. A Change Order of more than \$25,000 must be approved by the City Council.
 - (b) If a Change Order describes items that Contractor is otherwise required to provide under this Agreement, the City is not obligated to pay any additional money to Contractor.
 - (c) The Total of all Change Orders issued under this section may not increase the Original Agreement amount by more than 25%.
- (4) Whenever Contractor receives a Change Order, Contractor shall furnish all material, equipment, and personnel necessary to perform the work described in the Change Order. Contractor shall complete the work within the time prescribed. If no time for completion is prescribed, Contractor shall complete the work within a reasonable time. If the work described in

any Change Order causes an unavoidable delay in any other work Contractor is required to perform under this Agreement, Contractor may request a time extension for the completion of the work. The City Purchasing Agent's or Director's decision regarding a time extension is final.

- (5) A product or service provided under a Change Order is subject to inspection, acceptance, or rejection in the same manner as the work described in the Original Agreement, and is subject to the terms and conditions of the Original Agreement as if it had originally been a part of the Agreement.
- (6) Change Orders are subject to the Allocated Funds provisions of this Agreement.

IV. TERM AND TERMINATION

A. Contract Term

This Agreement is effective on the Countersignature Date and expires three (3) years after the date specified in the Notice to Proceed unless sooner terminated according to the terms of this Agreement.

B. Notice to Proceed

Contractor shall begin performance under this Agreement on the date specified in a Notice to Proceed from the City Purchasing Agent.

C. Renewals

If sufficient funds are allocated, the City Purchasing Agent, at his or her sole discretion, may make a request to Contractor to renew this Agreement for up to one additional 1-year option period, upon at least 30 days' written notice before expiration of the initial term. Any renewal, pursuant to this Section, shall be upon the same terms and conditions of the Agreement.

D. Time Extensions

If Department requests an extension of time to complete its performance, then the City Purchasing Agent may, in his or her sole discretion, extend the time so long as the extension does not exceed 90 days. The extension must be in writing but does not require amendment of this Agreement. Contractor is not entitled to damages for delay(s) regardless of the cause of the delay(s).

E. <u>Termination for Convenience by the City</u>

The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may terminate this Agreement at any time by giving 30 days written notice to Contractor. The City's right to terminate this Agreement for convenience is cumulative of all rights and remedies which exist now or in the future.

On receiving the notice, Contractor shall, unless the notice directs otherwise, immediately discontinue all services under this Agreement and cancel all existing orders and subcontracts that are chargeable to this Agreement. As soon as practicable after receiving the termination notice, Contractor shall submit an invoice showing in detail the services performed under this Agreement up to the termination date. The City shall then pay the fees to Contractor for services actually performed, but not already paid for, in the same manner as prescribed in Section III unless the fees exceed the allocated funds remaining under this Agreement.

TERMINATION OF THIS AGREEMENT AND RECEIPT OF PAYMENT FOR SERVICES RENDERED ARE CONTRACTOR'S ONLY REMEDIES FOR THE CITY'S TERMINATION FOR CONVENIENCE, WHICH DOES NOT CONSTITUTE A DEFAULT OR BREACH OF THIS AGREEMENT. CONTRACTOR WAIVES ANY CLAIM (OTHER THAN ITS CLAIM FOR PAYMENT AS SPECIFIED IN THIS SECTION), IT MAY HAVE NOW OR IN THE FUTURE FOR FINANCIAL LOSSES OR OTHER DAMAGES RESULTING FROM THE CITY'S TERMINATION FOR CONVENIENCE.

F. <u>Termination for Cause by City</u>

If Contractor defaults under this Agreement, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may either terminate this Agreement or allow Contractor to cure the default as provided below. The City's right to terminate this Agreement for Contractor's default is cumulative of all rights and remedies which exist now or in the future. Default by Contractor occurs if:

- (1) Contractor fails to perform any of its duties under this Agreement;
- (2) Contractor becomes insolvent;
- (3) all or a substantial part of Contractor's assets are assigned for the benefit of its creditors; or
- (4) a receiver or trustee is appointed for Contractor.

If a default occurs, the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent may, but is not obligated to, deliver a written notice to Contractor describing the default and the termination date. The City Purchasing Agent or Director upon written authorization by the City Purchasing Agent, at his or her sole option, may extend the termination date to a later date. If the City Purchasing Agent or Director upon written authorization by the City Purchasing Agent allows Contractor to cure the default and Contractor does so to the City Purchasing Agent's or Director's satisfaction before the termination date, then the termination is ineffective. If Contractor does not cure the default before the termination date, then the City Purchasing Agent or Director upon written notice to the City Purchasing Agent may terminate this Agreement on the termination date, at no further obligation of the City.

To effect final termination, the City Purchasing Agent or Director upon written notice to the City Purchasing Agent must notify Contractor in writing. After receiving the notice, Contractor shall, unless the notice directs otherwise, immediately discontinue all services under this Agreement, and promptly cancel all orders or subcontracts chargeable to this Agreement.

G. Termination for Cause by Contractor

Contractor may terminate its performance under this Agreement only if the City defaults and fails to cure the default after receiving written notice of it. Default by the City occurs if the City fails to perform one or more of its material duties under this Agreement. If a default occurs and Contractor wishes to terminate the Agreement, then Contractor must deliver a written notice to the Director describing the default and the proposed termination date.

The date must be at least 30 days after the Director receives notice. Contractor, at its sole option, may extend the proposed termination date to a later date. If the City cures the default before the proposed termination date, then the proposed termination is ineffective. If the City does not cure the default before the proposed termination date, then Contractor may terminate its performance under this Agreement on the termination date.

H. <u>Termination for Cause - Termination by City for Health and Safety</u>

If City Council determines that the public heath, safety, and welfare of the City require termination of this Agreement, then the Agreement is terminated immediately upon that determination by City Council.

I. Removal of Contractor Owned Equipment and Materials

Upon expiration, or termination of this Agreement, Contractor is permitted ten (10) days within which to remove contractor-owned material and equipment from the City's premises. The City shall make such material and equipment readily available to Contractor. The time period may be extended upon approval by the Director. The City reserves the right to deny any extension of time.

V. MISCELLANEOUS

A. <u>Independent Contractor</u>

Contractor shall perform its obligations under this Agreement as an independent contractor and not as an employee of the City.

B. <u>Force Majeure</u>

- 1. Timely performance by both parties is essential to this Agreement.

 However, neither party is liable for delays or other failures to perform its obligations under this Agreement to the extent the delay or failure is caused by Force Majeure. Force Majeure means fires, floods, explosions, and other acts of God, war, terrorist acts, riots, court orders, and the acts of superior governmental or military authority.
- 2. This relief is not applicable unless the affected party does the following:
 - (a) uses due diligence to remove the Force Majeure as quickly as possible; and
 - (b) provides the other party with prompt written notice of the cause and its anticipated effect.
- 2. The City may perform contract functions itself or contract them out during periods of Force

Majeure. Such performance does not constitute a default or breach of this Agreement by the City.

4. If the Force Majeure continues for more than 30 days, the City Purchasing Agent or Director upon written authorization by the City Purchasing

Agent may terminate this Agreement by giving 30 days' written notice to Contractor. This termination is not a default or breach of this Agreement. CONTRACTOR WAIVES ANY CLAIM IT MAY HAVE FOR FINANCIAL LOSSES OR OTHER DAMAGES RESULTING FROM THE TERMINATION EXCEPT FOR AMOUNTS DUE UNDER THE AGREEMENT AT THE TIME OF THE TERMINATION.

C. Severability

If any part of this Agreement is for any reason found to be unenforceable, all other parts remain enforceable unless the result materially prejudices either party.

D. Entire Agreement

This Agreement merges the prior negotiations and understandings of the Parties and embodies the entire agreement of the Parties. No other agreements, assurances, conditions, covenants (express or implied), or other terms of any kind exist between the Parties regarding this Agreement.

E. Written Amendment

Unless otherwise specified elsewhere in this Agreement, this Agreement may be amended only by written instrument executed on behalf of the City (by authority of an ordinance duly adopted by the City Council) and Contractor. The Director is only authorized to perform the functions specifically delegated to him or her in this Agreement.

F. Applicable Laws

This Agreement is subject to the laws of the State of Texas, the City Charter and Ordinances, the laws of the federal government of the United States, and all rules and regulations of any regulatory body or officer having jurisdiction.

Venue for any litigation relating to this Agreement is Harris County, Texas.

G. Notices

All notices required or permitted by this Agreement must be in writing and are deemed delivered on the earlier of the date actually received or the third day following: (1) deposit in a United States Postal Service post office or receptacle; (2) with proper postage (certified mail, return receipt requested); and (3) addressed to the other party at the address set out in the preamble of this Agreement or at such other address as the receiving party designates by proper notice to the sending party.

H. Non-Waiver

If either party fails to require the other to perform a term of this Agreement, that failure does not prevent the party from later enforcing that term and all other terms. If either party waives the other's breach of a term, that waiver does not waive a later breach of this Agreement.

An approval by the Director, or by any other employee or agent of the City, of any part of Contractor's performance does not waive compliance with this Agreement or establish a standard of performance other than that required by this Agreement and by law. The Director is not authorized to vary the terms of this Agreement.

I. <u>Inspections and Audits</u>

City representatives may perform, or have performed, (1) audits of Contractor's books and records, and (2) inspections of all places where work is undertaken in connection with this Agreement. Contractor shall keep its books and records available for this purpose for at least 3 years after this Agreement terminates. This provision does not affect the applicable statute of limitations.

J. Enforcement

The City Attorney or his or her designee may enforce all legal rights and obligations under this Agreement without further authorization. Contractor shall provide to the City Attorney all documents and records that the City Attorney requests to assist in determining Contractor's compliance with this Agreement, with the exception of those documents made confidential by federal or State law or regulation.

K. Ambiguities

If any term of this Agreement is ambiguous, it shall not be construed for or against any party on the basis that the party did or did not write it.

L. Survival

Contractor shall remain obligated to the City under all clauses of this Agreement that expressly or by their nature extend beyond the expiration or termination of this Agreement, including but not limited to, the indemnity provisions.

M. Parties In Interest

This Agreement does not bestow any rights upon any third party, but binds and benefits the City and Contractor only.

N. Successors and Assigns

This Agreement binds and benefits the Parties and their legal successors and permitted assigns; however, this provision does not alter the restrictions on assignment and disposal of assets set out in the following paragraph. This Agreement does not create any personal liability on the part of any officer or agent of the City.

O. Business Structure and Assignments

Contractor shall not assign this Agreement at law or otherwise or dispose of all or substantially all of its assets without the City Purchasing Agent's prior written consent. Nothing in this clause, however, prevents the assignment of accounts receivable or the creation of a security interest under Section 9.406 (c) of the Texas Business & Commerce Code. In the case of such an assignment, Contractor shall immediately furnish the City with proof of the assignment and the name, telephone number, and address of the Assignee and a clear identification of the fees to be paid to the Assignee.

Contractor shall not delegate any portion of its performance under this Agreement without the City Purchasing Agent's prior written consent.

P. Remedies Cumulative

Unless otherwise specified elsewhere in this Agreement, the rights and remedies contained in this Agreement are not exclusive, but are cumulative of all rights and remedies which exist now or in the future. Neither party may terminate its duties under this Agreement except in accordance with its provisions.

EXHIBIT "A"

DEFINITIONS

As used in this Agreement, the following terms have the meanings set out below:

"Additional Services" shall mean other services to repair systems associated with the submersible pump, not otherwise described in this specification, to bring the equipment to the working conditions agreeable to the Director and Contractor.

"Agreement" means this contract between the Parties, including all exhibits, change orders, and any written amendments authorized by City Council and Contractor.

"City" is defined in the preamble of this Agreement and includes its successors and assigns.

"City of Houston Normal Business Hours" shall mean 8:00 a.m. to 5:00 p.m., Monday to Friday, except on days which are considered City holidays.

"City Purchasing Agent" is defined as the person or duly authorized successor, authorized in writing to act for the City. The term includes, except as otherwise provided in this Contract, the authorized representative of the City Purchasing Agent acting within the limits of delegated authority.

"Confined space," means a space that:

- (1) Is large enough and so configured that an employee can bodily enter and perform assigned work; and
- (2) Has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry.); and
- (3) Is not designed for continuous employee occupancy.

"Contractor Administrator" means the representative of the Public Works and Engineering Department who is responsible for the administration of the Contract.

"Contract Award Notice" means the official notification substantiated by the Notice to Proceed issued by the City Purchasing Agent to the Contractor.

"Contract Charges" means charges that accrue during a given month as defined in Article III.

"Contract Technical Representative" (CTR) shall mean the representative of the Director of the Appropriate Department assigned to verify services invoiced, maintain a record of available funds, comply with the terms of the contract, review the contract at the time of renewal, and administer the day-to-day activities of the Contract.

"Contract Term" is defined in Article IV.

"Contractor" is defined in the preamble of this Agreement and includes its successors and assigns.

"Contractor's Facility" shall mean place of business of the Contractor where the Contractor performs repairs of equipment and machinery for other entities, specifically where the Contractor plans to repair City of Houston submersible pumps of the model and size described in these specifications. The facility shall be equipped with the needed overhead/jib crane(s), lathe(s), drill(s), ovens, pressure washing machine, meggers, coil testers, balancing machine, paint booth, hydraulic press(es), and testing equipment to do the necessary repair/replacement work for the largest submersible pump in the group. The facility shall be clean, free from dirt and dust, to prevent contamination and damage during assembly of the submersible pumps and installation of bearings and gears.

"Contractor's Standard Business Hours" shall mean the daily eight (8) hour period Monday through Friday, which the contractor has established as their normal business day.

"Council Motion or Ordinance" shall mean the Official Document passed by the Governing Body designating award(s) and directing the City Purchasing Agent to issue Notice(s) to Proceed.

"Countersignature Date" means the date this agreement is countersigned by the City Controller.

"Director" means the Director of the Public Works and Engineering Department, or the person he or she designates.

"Effective Date" is defined as date contract is countersigned by the City Controller.

"Established Contractor/Supplier" is defined as any bidder who engages in any practice or trade, or method of dealing regularly in a place, vocation or trade as to justify an expectation that the bidder can be expected to perform in a satisfactory manner with respect to this contract.

"Emergency Labor Rate "(ELR) shall mean the contractor's charge for labor for unscheduled, immediate, and continuous repair work that shall be carried out until the repair of the unit is completed. CTR must authorize all emergency works.

"Equipment Inventory (EI) Number" shall mean the unique, cradle-to-grave number called Equipment Inventory (EI) Number used by (MMS) to identify each piece of equipment.

"(EI) Tag" shall mean a metallic strip, embossed with the equipment inventory number (EI #), attached to each piece of equipment

"Governing Body," means the Mayor and City Council of the City of Houston.

"Maintenance Management System" (MMS) shall mean a computerized database to manage work order process, and maintains historical data about performance and repair of equipment at the Water Production and Wastewater Operations branches of the Utilities Division, City of Houston.

"Non-repairable Shop Cost" shall mean the cost amount that the contractor can bill the City for the teardown, inspection, testing, and work scope/estimate preparation when the UDR determines that the submersible pump is not to be repaired (Non-Repairable).

"Non-Destructive Testing" (NDT) shall mean inspection to detect cracks and discontinuities by Magnetic Particle Methods, Penetrant Methods or any other Methods as needed and shall be performed by an NDT Level III Certified Technician. The Certification shall be in accordance with the latest Recommended Practices of the American Society for Non-Destructive Testing.

"Notice to Proceed," means a written communication from the City Purchasing Agent to Contractor instructing Contractor to begin performance.

"Other Repair Methods" shall mean any method of repair other than those prescribed in the Bid Form. These "other repair methods" must be authorized in writing by the equipment manufacturer and be approved by the Director.

"Overtime Labor Rate" (OLR) shall mean the contractor's charge for labor for work performed after contractor's Standard Business Hours. CTR must authorize all overtime work.

"Parties" mean all the entities set out in the Preamble who are bound by this Agreement.

"Permit-required confined space (permit space)" means a confined space that has one or more of the following characteristics:

- (1) Contains or has a potential to contain a hazardous atmosphere;
- (2) Contains a material that has the potential for engulfing an entrant;
- (3) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross-section; or
- (4) Contains any other recognized serious safety or health hazard.

"Permit – required confined space program (permit space program)" means the employer's overall program for controlling, and, where appropriate, for protecting employees from, permit space hazards and for regulating employee entry into permit space.

"Permit system" means the employer's written procedure for preparing and issuing permits for entry and for returning the permit space to service following termination of entry.

"Recondition and repair" (recondition-repair) shall mean that the contractor, upon receipt of the unit, shall inspect and clean all components. Wash, dry, varnish, and bake stator. Clean excess varnish from stator fits. Check pump casing, impeller, volute, seals, and wear rings, if applicable. Check impeller fit on shaft. Bring all motor/pump clearances to OEM standards. Dynamically balance rotating parts assembly, reassemble, perform all tests, and check vibration at full rated voltage and frequency, and paint.

"Rewind and repair" (rewind-repair) shall mean that the contractor, upon receipt of the unit, shall inspect and clean all components. Burn stator, strip, and take data. Core test stator, rewind, connect, test, varnish dip /VPI stator, clean resin from stator fits. Check pump casing, impeller, volute, seals, and wear rings, if applicable. Check impeller fit on shaft. Bring all motor/pump clearances to OEM standards. Dynamically balance rotating parts assembly, re-assemble, perform all tests, and check vibration at full rated voltage and frequency, and paint.

"Standard Labor Rate "(SLR) shall mean the contractor's charge for labor during contractor's Standard Business Hours.

"Start of Contract Period" shall mean the date specified in the Notice to Proceed from the City Purchasing Agent.

"Submersible pump Groups" means the submersible pumps for the purpose of this contract are grouped such as to represent the manufacturer, operating voltage, speed, and the size of the units.

Group	Manu	facturer	Nominal	Nominal	Horsepower
<u>Name</u>			Voltage (Vol	lts) Speed (Ri	PM) (HP)
Flygt: Group		Flygt	460,2300,41	160 900 to 180	00 > 200
< or = 500 H	HP				
KSB: Group		KSB	460,2300,4	160 720 to 180	> 200
< or $= 500$	HP				
Miscell: Gro	oup III	Various	460,2300,4°	160 900 to 180	00 > 200
< or = 500 H	HP				

"User Department Representative" (UDR) shall mean the representative of the Director of the Department assigned to administer the day-to-day activities of the Contract.

"Weight of pumps" shall mean the weight of the heaviest of the largest size pump, including 50 feet of cable, that the manufacturer of the pumps makes in the group listed in this repair services contract:

•	Flygt Group IV -	500 HP:	Weight of pump and cable 19,000 pounds.
•	KSB: Group IV -	500 HP:	Weight of pump and cable 10,500 pounds.
•	Miscell: Group III -	500 HP:	Weight of pump and cable 12,000 pounds.

EXHIBIT B

B.00 GENERAL REQUIREMENTS AND SCOPE OF SERVICES

- B.00.01 The Contractor shall furnish all supervision, labor, parts, tools, materials, equipment, supplies, and facilities necessary to provide precision repair services for submersible pumps at various facilities of Wastewater Operations, City of Houston. This shall include on-site repairs at City facilities as well as shop repairs at Contractor's facility. If requested by CTR (Contract Technical Representative), the Contractor shall demonstrate by means of adequate testing and documentation that the repaired unit has retained its operating efficiency. The cost for this operating efficiency test will be paid by City of Houston.
- B.00.02 The meaning of some specific terms as used in this contract /specification are given in Exhibit A, Definitions. The attached forms under Exhibit "BB-1" to Exhibit "BB-8" are parts of this General Requirements and Scope of Services.
- B.00.03 The submersible pumps are grouped to indicate the manufacturer, size, weight and type of the units. These are listed as (see Exhibit A, Definitions):

FLYGT	Group-IV
KSB	Group-IV
MISCELL.	Group-III

- B.00.04 This specification covers the general requirements for the reconditioning, rewinding, repairing, and testing of the submersible pumps located at City of Houston facilities. This includes, but is not limited to, motor stator coils, motor stator iron, motor rotor, pump casing, pump impeller, pump volute, wear rings, bearings, seals, cables, cable supports, guide cable, guide rails, chains, support brackets, discharge piping, discharge check and isolation valve, the submersible pump control system, and general electrical/mechanical work. It, also, includes entry into *permit-required confined spaces*. This specification defines minimum acceptable requirements for the repair of the units.
- B.00.05 Unless otherwise specified, fabrications, processes, parameters, and test methods for the motors of the submersible pumps shall conform to the latest revision of the following *ELECTRICAL APPARATUS SERVICE ASSOCIATION (EASA)* documents:

 EASA AR100-1998 RECOMMENDED PRACTICE FOR REPAIR OF ROTATING APPARATUS (hereafter abbreviated as EASA AR100-1998);

 EASA Technical Note No. 16 GUIDELINES FOR MAINTAINING MOTOR EFFICIENCY DURING REBUILDING, September 1999 (hereafter abbreviated as EASA Tech Note No. 16);

 EASA Technical Note No. 17 STATOR CORE TESTING, updated March 1997 (Hereafter abbreviated as EASA Tech Note No. 17); and EASA Bearing Fit Tolerance Chart, updated 1997
- B.00.06 All test equipment required for test results shall be calibrated at least annually against standards traceable to the National Institute of Standards and Technology (NIST) or equivalent standards laboratories (EASA AR100-1998 4.7). The Contractor shall establish, document, and maintain calibration records for test and measuring equipment used to demonstrate conformance of product to specified requirements.

B.00.07 The submersible pumps at City facilities are purchased and installed under specifications (Master Specifications Section 11311, Submersible Wastewater Pumps, GHWP, dated 04/11/96 or latest edition) requiring compliance with the applicable sections of the following standards and codes: American National Standard Institute (ANSI)

American Society for Testing and Materials (ASTM)

Anti-Friction Bearing Manufacturing Association (AFBMA)

Hydraulic Institute

Institute of Electrical and Electronic Engineers (IEEE)

National Electric Code (NEC)

National Electrical Manufacturers Association (NEMA)

Steel Structures Painting Council (SSPC)

City of Houston Electrical Code

B.00.08 Wherever this document refers to the following codes and standards, then that specific sections of the code/standard shall apply to the repairs being carried out by the Contractor:

Steel Structures Painting Council (SSPC)

Anti-Friction Bearing Manufacturing Association (AFBMA)

American Society for Non-Destructive Testing

B.00.9 At City facilities the installed submersible pumps are units produced by the following manufacturers (but not limited to):

Chicago-Yeomans

Davis-EMU

Ebara

Fairbanks-Morse

Flygt Pump, Inc.

Hydomatic

Homa

KSB Pump, Inc.

PACO

- B.00.10 The Contractor shall furnish, if requested by CTR, copies of current environmental permits and demonstrate compliance with current environmental regulations.
- B.00.11 Subcontractors to the Contractor for the performance of work are subject to the same standards as the contractor.
- B.00.12 THE BID FORMS SHALL BE BASED ON THE CONTRACTOR USING NEW AND ORIGINAL EQUIPMENT MANUFACTURER (OEM) PARTS IN THE REPAIR OF CITY'S SUBMERSIBLE PUMPS.
- B.00.13 The price of parts and material and cost of a replacement unit supplied for this contract shall be the total original invoiced cost to the contractor plus contractor's quoted percentage (%) markup for the item. The Contractor shall submit the supporting documentations with the final invoice.
- B.00.14 The Contractor who is an OEM Distributor/Shop shall use the OEM's latest list price minus the OEM Distributor/Shop's discount percentage (%) for the price of parts and material and cost of a replacement unit supplied for this contract. The quoted discount percentage shall be equal or better than what the Distributor/Shop offers to their best customer within 50 miles of City Hall of City of Houston. This quoted discount percentage is subject to audit by City of Houston.
- B.00.15 ALL MARKUPS SHALL BE BASED ON PART VENDOR'S OR SUB-CONTRACTOR'S ACTUAL ORIGINAL INVOICED DOCUMENTS. THE CONTRACTOR SHALL SUBMIT THESE ACTUAL ORIGINAL

INVOICES, AS ATTACHMENTS, WITH THE FINAL INVOICE FOR PAYMENT BY CITY FOR THE WORK PERFORMED BY THE CONTRACTOR.

- B.00.16 At Contractor's repair facility, the Contractor shall disassemble the unit, inspect it and prepare a scope of work to repair and replace parts with *new* OEM parts. The cost of inspection and preparation of work scope shall be a part of the base cost of any Recondition-Repair or Rewind-Repair job.
- B.00.17 If the Contractor plans to use any part other than an OEM part, the Contractor shall obtain, in advance of the use of such parts, written permission/approval from CTR. The Contractor's proposal for CTR approval shall document that the part is equal or better than an OEM specified part. The contractor's documentation shall clearly show the benefits (financial and/or delivery advantages) to the City of Houston for such a substitution. The approval procedure for other than OEM part substitution shall, also, apply to re-manufactured parts.
- B.00.18 A City representative will pick up all non-repairable submersible pumps. Non-repairable units do not need to be reassembled.
- B.00.19 Where hourly work is performed on behalf of the City, the Contractor (and Sub-Contractors of the Contractor) shall fully document the start of the work, the time spent on the job, and completion of each job. The documentation shall be punch card/time-clock or shop record or any other mutually agreed method.
- B.00.20 Contractor shall ensure the Equipment Inventory number (EI) tag remains attached to the equipment. Contractor shall notify the UDR if the (EI) tag is damaged or missing.
- B.00.21 Wherever torque values are known, the Contractor shall use a torque wrench and adhere to the OEM torque values.
- B.00.22 If requested by the CTR, Contractor shall furnish parts needed for maintenance activities of submersible pumps by City Personnel. Contractor shall charge the same price for these parts as scheduled in Bid Forms under "Parts and Material."
- B.00.23 Paint booth shall not be used for Sandblasting.
- B.00.24 The City reserves the rights to pick up any and all parts that are quoted by the Contractor to be replaced. This includes (but is not limited to) seals, bearings, and other items of a submersible pump unit.
- B.00.25 In the case of dual horsepower units, charges shall be based only on the higher horsepower rating, never on both.
- B.00.26 Any equipment removed from any City facility shall be documented on a City Equipment Release Form, see Exhibit "BB-6."
- B.00.27 The Contractor shall provide a list to the City of the name(s) and location(s) of ALL shop(s) and sub-contractors that will be used for specified repair work. The Contractor shall obtain written approval for each shop and sub-contractor before start of the contract. If the Contractor plans to use any sub-contractor not on the list, the contractor shall obtain written approval from the CTR before subcontracting the work.

All metal parts shall be checked for structural integrity and cracks, and shall be repaired or B.00.28 replaced as needed. Terminal boxes and auxiliary equipment enclosures shall be made to meet OEM's specifications. B.00.29 All illegible or defective nameplates shall be replaced on completion of repair. All original B.00.30 nameplate information, except where changed, shall be stamped on new nameplate. New nameplates shall be permanently attached with mechanical fasteners. The cost of a new nameplate shall be included as a part of the base cost of any recondition-repair or rewind-repair. UDR and the Contractor's manager shall meet once a month to review the records of the B.00.31completed works, works in progress, and any other matter related to this contract. Any discrepancies shall be resolved at the time and all backlogs shall be completed by the tenth of the following month. UDR shall provide the Contractor with a spreadsheet for tracking the job's cost and progress. The Contractor shall update the spreadsheet to reflect changes in activities by the Contractor and ensuring availability of Funds to perform the work (see Exhibit-B7). B.00.32 Attach a tag to each submersible pump housing to include the repair date as well as Contractor's name and job number. The tag shall be secured with stainless drive pins. The cost of the identification tag shall be included as a part of the base cost of any recondition-repair or rewindrepair. B.00.33 All submersible pumps with peeling paint or rust shall be sandblasted. The cost of sandblasting shall be included as a part of the base cost of any recondition-repair or rewind-repair. B.00.34 Assembled submersible pump units shall be tested for vibration. The vibration level shall not exceed 0.1 inches per second unfiltered. The vibration measurements shall be recorded on the Final Test Sheet. All costs associated with the vibration test shall be included as a part of the base cost of any recondition-repair or rewind-repair work. B.00.35The enclosed City of Houston forms included in this document shall be used on each recondition-repair, rewind-repair, and new submersible pump purchases. B.00.36 Steam clean area shall be so designed with all the run-offs captured into an approved oil/grease recovery system. B.00.37Delivery tickets and packing slips will contain quantity, part number, description of commodity delivered, name of department or section and facility name to which the merchandise was delivered, the City of Houston Ordinance Number, Contract number, signature of receiving employee, printed name, employee number and the authorization release number. B.00.38 The repair shop must be able to verify all hours charged for machine work. This will apply to work done by sub-contractors or the contractor. In-house work will be supported with copies of time cards. This verification shall be submitted with the invoice. B.00.39 The City reserves the right to review all payments made to the Contractor by auditing any and all documents associated with this contract at a later date. Subject to such audit, any overpayments shall be recovered from the Contractor. B.00.40The Contractor shall be responsible for storage of the submersible pump units and all parts. Any parts lost or damaged while in the possession of the Contractor shall be repaired or replaced at Contractor's expense.

- B.00.41 The price of parts supplied for this contract is the total cost of the item to the Contractor supported by documentation.
 B.00.42 Upon completion of any repair work the Contractor shall provide to the City, a full set of
- B.00.42 Upon completion of any repair work the Contractor shall provide to the City, a full set of completed teardown sheets, work performed on the unit, test and data sheets including Electrical, Machinist and Mechanical Report, and Winding Data Report. The Contractor shall establish and maintain records for at least three (3) years that the product has passed inspection and/or test with defined acceptance criteria (EASA AR100-1998 1.3.2).
- B.00.43 The City may award to more than one Contractor by groups of submersible pump units, as listed in "Exhibit A, Definition" of these documents.
- B.00.44 The Labor Rates of the contract shall apply to the work performed by the Contractor's personnel for the work already specified in this document or for any work under "Additional Services." All non-fixed price work carried out by a subcontractor shall be invoiced by the Contractor, under the line item "Work by Sub-contractor. (Original Invoice)."
- B.00.45 All labor to perform teardown inspections, cleaning, disassembly, reassembly, winding, dipping, baking, blasting, painting, balancing, testing and documentation shall be included as part of the base rewind/recondition cost of the submersible pump.
- B.00.46 The City permits the use of OEM reconditioned/remanufactured motor in lieu of local recondition-repair and rewind-repair of such units for its submersible pumps. Contractor shall furnish the OEM documentation with the invoice.
- B.00.47 The Bid Form Base Cost for <u>RECONDITION-REPAIR</u> shall include all cost of supervision, labor, tools, equipment, and supplies to complete the work as specified herein for <u>RECONDITION-REPAIR</u>. This Base Cost does not include the cost of bearings, seals, impellers, wear rings, heaters, and broken or damaged parts (which are reimbursable), if authorized by the UDR.
- B.00.48 The Bid Form Base Cost for <u>REWIND-REPAIR</u> shall include all cost of supervision, labor, tools, equipment, supplies, and parts to complete the work as specified herein for <u>REWIND-REPAIR</u>. This Base Cost does not include the cost of bearings, seals, impellers, wear rings, heaters, and broken or damaged parts (which are reimbursable), if authorized by the UDR.
- B.00.49 THE FIELD TIME SHEETS SHOULD BE SIGNED DAILY BY A CITY OF HOUSTON SUPERVISOR AT THE FACILITY LOCATION, IF A CITY SUPERVISOR IS AVAILABLE. ALL TIME SHEETS SHALL BE APPROVED BY THE CTR/UDR ON THE LAST WORKING DAY OF EACH WEEK.
- B.00.50 THE CITY SHALL BE BILLED ONLY FOR THE HOURS THE CONTRACTOR WORKS ON CITY EQUIPMENT WHETHER AT CITY FACILITY OR AT CONTRACTOR'S FACILITY. LABOR RATE FOR WORK AT A CITY FACILITY SHALL COVER THE TRAVEL EXPENSE OF THE CONTRACTOR. NO ITEMIZED TRAVEL TIME IS ALLOWED.
- B.00.51 Whenever the need for an entry into *permit-required confined spaces* arises, the City of Houston's confined-space-entry-team will perform the work (when removing a unit, the City will deliver the unit to the Contractor's Shop). In such cases, the City of Houston's confined-space-entry-team shall be in total control of the work at the site.
- B.00.52 RESERVED

- B.00.53 At a City location, all machinery and equipment that are undergoing maintenance and repair shall be locked-out/tagged-out (LOTO) to protect against accidental or inadvertent operation when such operation could cause injury to personnel or damage to equipment. LOTO shall carry out by "Authorized Personnel" only. "Authorized Personnel" may include qualified electricians, mechanics, and operators.
- B.00.54 The Contractor may form a "Joint Venture" with another qualified "Submersible pump Repair Shop" to do the work specified in these specifications. The legal paper work for the "Joint Venture" shall be attached to the Bid Forms and shall be a part of the Contractor's Submittal. The "Joint Venture" is considered one Contractor.

B.01 EXPLOSION-PROOF SUBMERSIBLE PUMP UNITS (SUITABLE FOR NEC CLASS I, DIVISION I, GROUP D)

REPAIR OF UNDERWRITERS LABORATORY (UL) APPROVED EXPLOSION-PROOF SUBMERSIBLE PUMP REPAIR OF FACTORY MUTUAL (FM) APPROVED EXPLOSION-PROOF SUBMERSIBLE PUMP

- B.01.01 The repair of Underwriters Laboratory (UL) explosion-proof submersible pumps shall be performed in a UL approved shop by skilled submersible pump mechanics that are familiar with repair practices typical to explosion-proof submersible pumps.
- B.01.02 The repair of Factory Mutual (FM) explosion-proof submersible pumps shall be performed in a "Factory" approved shop by skilled pump mechanics that are familiar with repair practices typical to explosion-proof submersible pumps.
- B.01.03 Only OEM parts are allowed in the repair of UL approved units, except for bearings and seals. NO OTHER EXCEPTION.
- B.01.04 Only shafts and seals can be reworked for a repair of UL approved units.
- B.01.05 Any casted component of the submersible pump unit that is damaged shall be replaced.
- B.01.06 The repaired "UL" unit shall be re-certified by an UL inspector.
- B.01.07 The shop shall provide the City with a copy of the "UL" re-certification document. The certificate shall bear the UL file number.

B.02 REPAIR AND REPLACEMENT

- B.02.01 The Contractor shall inspect, repair, and/or troubleshoot assemblies and subassemblies of the submersible pumps in lieu of replacement unless the repair cost of the electric submersible pumps exceeds seventy (70) percent of the cost for replacing it with a new item.
- B.02.02 Generally the seventy (70) percent rule applies, but the City reserves the right to repair the unit, not to repair the unit, or a purchase a new unit. The decision will be based on economic evaluation of the alternatives of the case and various operational considerations of the City.
- B.02.03 The CTR must approve, in writing, the purchase of a new unit in lieu of repair.
- B.02.04 The new unit shall meet the latest revision of City's Master Specification Section 11311 "Submersible Wastewater Pumps."
- B.02.05 The replacement unit shall have the same pump characteristic as the one being replaced unless otherwise authorized, in writing, by CTR.
- B.02.06 The replacement unit shall have best available "Efficiency" motor unless otherwise authorized, in writing, by CTR.
- B.02.07 Contractor shall use the schedule in Bid Forms under "Cost to Replace a Unit..." to invoice the replacement cost.

B.03 SPECIFIC TASKS AND SCOPE OF WORK

- B.03.01 Upon request from the UDR and within THREE (3) working days the contractor shall inspect the submersible pump at the Wastewater facility. If repairs can be performed at City facility at the time of inspection, the Contractor shall do the needed repair and release/return the unit to Operation.
- B.03.02 If the submersible pump can be repaired at City location but additional parts and services are needed, the Contractor shall notify the UDR and prepare a scope of the work within forty-eight (48) hours and submit it to the UDR for approval. The Contractor, upon receipt of approval, shall complete the repair of the submersible pump within five (5) working days and release/return the unit to Operation.
- B.03.03 If the submersible pump cannot be repaired at City location, the Contractor shall notify the CTR. Within forty-eight (48) hours, the Contractor shall pull the unit from wet well or pit, and load the unit on Contractor's vehicle, and transport/deliver the unit to Contractor's repair facility.
- B.03.04 The Contractor shall furnish hoist, crane, etc. for loading and unloading of the unit at City facilities and at Contractor's facility.
- B.03.05 Before disassembly of the unit at Contractor's shop, the Contractor shall inspect the unit and document the damaged and missing parts. In addition, the Contractor shall photograph the unit and sub-assemblies, as received. These photographs and any subsequent photographs of the unit and its parts shall be parts of the repair record.
- B.03.06 The Contractor shall chemically and mechanically clean all external surfaces, as required.

The Contractor shall perform electrical tests in accordance with Section 4 of EASA AR-100-B.03.071998, and record the measurements in the Teardown Report. These evaluation and diagnostic tests shall include, but not limited to, insulation resistance to ground of windings and accessories, winding resistance test, and surge-comparison test. The Contractor shall measure insulation resistance to ground of windings and accessories with a B.03.08 500 Volts megohmmeter with recommended minimum insulation resistance to ground as shown in EASA AR100-1998 4.2.2. In the event that insulation resistance of the windings is below the recommended minimum B.03.09 value, the motor shall be disassembled, and the windings shall be cleaned and dried before surgecomparison testing. B.03.10 The Contractor shall disassemble submersible pump units and clean all internal parts. B.03.11 The Contractor shall inspect all components of the submersible pump units and all critical areas to determine if clearances are within OEM tolerances, and the parts meet manufacturer's specifications. B.03.12 If needed, the City will assist the Contractor to obtain the OEM data from the manufacturers. B.03.13The Contractor shall inspect the unit and its shaft for corrosion, erosion, chipping, scoring, and other damages and shall record this observation on the Teardown Report. B.03.14 The Contractor shall inspect the rotor shaft for "roundness/runout" and determine if it is within OEM tolerance. B.03.15 The Contractor shall inspect the pump casing, impeller, shaft sleeve, and wear rings for corrosion, erosion, chipping, scoring, and other damages and shall record this observation on the Teardown Report. B.03.16 The Contractor shall inspect the shaft extensions and key seats (keyways). Shaft extensions must be smooth, polished, and concentric with shaft center. Shaft extension dimension shall be checked. B.03.17 Contractor shall inspect each bolt for damaged threads. B.03.18Repair shall include sandblasting, welding and machining as required. Other repair services shall include, but not limited to, Non-Destructive Testing (NDT), chroming, and metallizing if and when required. The core iron, if needed, may be grit blasted with glass beads, walnut shells, corncobs, or similar B.03.19 materials. It shall not be blasted with silica, garnet, or other grits, which may cause shorts between laminations (EASA Tech Note 16). Contractor shall determine what parts are to be machined or replaced with new parts. As a B.03.20minimum the Contractor shall replace all bearings, and seals when the original unit was furnished with such items. Within FIVE (5) working days [this time period may be extended by UDR to FIFTEEN (15) B.03.21 days maximum on a case-by-case request from the Contractor due to the work load at Contractor's shop] the Contractor shall prepare and submit to the UDR a scope of the repair

work to be carried out on the unit, which shall include a good faith and detailed cost estimate. This cost estimate shall include a brief description of the work to be performed, cost for new replacement OEM parts, estimated additional labor hours required for the repair of the unit not covered under Base Cost, and shall include the estimated time for delivery time of parts and expected completion date of the work. B.03.22 The UDR will inspect the tear-downed unit, review the Contractor's proposed work scope and cost estimate, and revise/approve the work scope/cost estimate. B.03.23 Upon written acceptance of cost estimate by the UDR, Contractor shall proceed with repairs. The Contractor shall commence to work on the unit and complete the repair within the allocated time for delivery of such item: B.03.23.1 Submersible Pumps 125 HP and smaller 8 weeks Submersible Pumps larger than 125 HP B.03.23.2 12 weeks B.03.24 The Contractor shall notify the UDR immediately if the Contractor cannot complete the job within the contractually agreed time period of item B.03.19. The Contractor shall submit to UDR a detailed explanation for the delay with a new schedule to complete the job. At all times during the repair process, Contractor shall maintain City's equipment in a clean and B.03.25 weather protected storage area. B.03.26 The rotor assembly shall be checked for total indicated run out and recorded on the rotor information sheet. The check shall be carried out in precision "V-Blocks. Shaft seal surface, bearing journals, shall be micrometer checked and recorded on the rotor B.03.27 information sheet. End bells and bearing housing critical dimensions shall be micrometer checked and recorded on B.03.28 the mechanical inspection sheet. The above measurements shall be submitted to UDR, along with the electrical and mechanical B.03.29 data sheets, during the teardown inspection. Replacement bearings shall have an L₁₀ rating life in accordance with ANSI/AFBMA of at least B.03.3040,000 hours. If the L10 rating life of the existing bearing is larger than 40,000 hours, the Contractor shall replace the bearing with the same L10 rating life bearing as the existing one. B.03.31 The Contractor shall ensure the quality of varnish in the Dip Tank and the VPI system by sampling and testing the varnish every three months. The Contractor shall have the varnish quality reports available for review by the City Inspection Team and the UDR. B.03.32 After parts have been repaired, Contractor shall put together the rotating assembly and balance it. The Contractor shall balance the rotor first, and then balance the assembled rotor and impeller. The Contractor shall reassemble the submersible pump unit, test, seal and paint, as required. B.03.33 Surface of all RECONDITION-REPAIR and REWIND-REPAIR units shall be prepared for

painting to white metal finish by blast cleaning to SSPC-SP5.

B.03.34

B.03.35	Surface of all RECONDITION-REPAIR and REWIND-REPAIR units shall be primed and finished, in an approved paint booth, using the unit manufacturer's standard epoxy painting
	system: The minimum Prime coat thickness shall be 3 mils DFT, dry film thickness (DFT). The minimum finish coat thickness shall be 6 mils DFT, dry film thickness (DFT).
B.03.36	If manufacturer's "standard epoxy painting" information is not available, the following industrial coating specification for surface of pumps and equipment shall be followed: The primer and finish coats shall be two-component, rust-inhibitive, polyamide-cured epoxy coating with a recoatable finish, The prime coat shall be Ameron 38P, Tnemec 69, or equal. The finish coat shall be Ameron 38S, Tnemec 69, or equal.
B.03.37	Changes to paint specifications (item B.03.34, B.03.35 and B.03.36) shall be approved in writing by UDR prior to application of paint.
B.03.38	The user department will specify the paint color.
B.03.39	Whenever needed, only OEM specified lube/cooling oils, or equal, shall be used in the oil chamber. The lube/cooling oils shall be biodegradable, nontoxic, and FDA approved.
B.03.40	Only OEM specified greases, or equal, shall be used in the bearings.
B.03.41	All electrical work for RECONDITION-REPAIR and REWIND-REPAIR of the units shall be in accordance with Item <u>B.04 MOTOR INSPECTION AND REPAIR</u> , unless otherwise specified in these specifications.
B.03.42	The Contractor shall return the repaired unit to a City facility, check the all associated equipment, install the unit into pit/wet well, and reconnect cables and piping.
B.03.43	The Contractor shall ensure that all electrical control for alarms-shutdown of the systems are operational and are set as specified by OEM before the field test run.
B.03.44	The Contractor shall have the OEM's information on the impeller and impeller performance curve, electrical data, and temperature data of the unit at hand before the start of the unit.
B.03.45	Before start of the unit, the Contractor shall check the system for any abnormal conditions and record it accordingly. All deficiencies shall be corrected before start of the unit.
B.03.46	The Contractor shall measure/record the voltage and current readings of the system at NO LOAD and at FULL LOAD and shall compare these readings with the OEM values. Any deviations or unusual conditions shall be evaluated and corrected, if needed.
B.03.47	The vibration levels, if measured, shall be as specified by the OEM. If needed, the City will assist the Contractor to obtain the OEM data from the manufacturers.
B.03.48	The final check of the system shall be made at the end of the test run when the submersible pump and the system have reached their operating conditions. All adjustments and/or modifications needed shall be made before placing the unit into permanent service.
B.04	MOTOR INSPECTION AND REPAIR

B.04.01	MOTOR INSPECTION AND REPAIR-GENERAL
B.04.01.01	The Contractor shall provide a repair data sheet showing the condition of the motor upon receipt, the repair work done, and the final test results.
B.04.01.02	During disassembly, the motor shall be visually inspected to determine cause of failure, including electrical and/or mechanical failure. Stators shall be removed from the housing.
B.04.01.03	Stator winding phase to ground insulation shall be checked with a 500 volt megger and the results noted on the inspection form.
B.04.01.04	Stator winding shall be checked for shorts using surge-comparison tests and all values to be recorded.
B.04.01.05	The rotor assembly shall be inspected for wear, scoring, cracks, and the check for open rotor bars shall be done with a growler and magnetic paper.
B.04.01.06	All stators that are to be rewound shall be tested "after" burnout and removal of the winding with a core loss tester and a printout of the test shall be submitted to the UDR.
B.04.01.07	Shaft seal surface, bearing journals and coupling fit, shall be checked with a micrometer and recorded on the rotor information sheet.
B.04.01.08	The insulating material in the rewinding of the unit shall have a Class "F' rating.
B.04.02	MOTOR INSPECTION AND REPAIR -RECONDITION-REPAIR
B.04.02.01	Motors, which have been designated for repair-recondition and have been thoroughly cleaned free from dirt, grit, grease, oil, and properly dried shall be inspected for winding damage. The damaged areas shall be repaired.
B.04.02.02	Motor insulation shall be washed with hot soapy water 200 degrees F at 30PSI and then with fresh water. After cleaning, unit must be baked between 250 and 275 degrees F until an acceptable insulation level is obtained.
B.04.02.03	Reconditioned motors shall receive a minimum of two (2) dips and baked in insulating resin. Stator shall be baked at insulation resin manufacture's recommended temperature and time to assure full curing. Stator shall be removed from housing for this process.
B.04.03	MOTOR INSPECTION AND REPAIR -REWIND-REPAIR
B.04.03.01	The stator core shall be vertically set in the burnout oven. After burnout and winding removal, the core and frame shall be allowed to cool by natural convection without forced air to avoid overstress or warping. Maximum burnout temperature shall be 650 degrees "F" to avoid damage to laminations.
B.04.03.02	Torch heating shall <u>NOT</u> be used for stator clean up.
B.04.03.03	The stator core shall be blasted to a bare metal finish. Refer to Item B.03.19 of these specifications for the type of grit permitted for blasting.

B.04.03.04	The core shall be thoroughly cleaned; the stator core shall be examined for lamination damage such as fusing or metal loss due to arcs.
B.04.03.05	Fused laminations shall be separated either by grinding or filing. Bent laminations shall be realigned and all protrusions into the slot area shall be filed or ground smooth. Stator cores shall not be re-stacked without user department approval.
B.04.03.06	Before a new winding is installed in a stator, the winding data shall be verified to assure that an original factory equal winding is being installed. If the manufacturer's data is not available, the winding data shall be verified to assure it conforms to the relevant EASA data.
B.04.03.07	Coils shall be formed with the same number of turns as the original winding. Resistance of the rewound stator shall be the same as the original winding.
B.04.03.05	Coils shall be machine wound with sufficient wire tension to obtain freedom from crossovers and uniform cross-section coils.
B.04.03.06	Stator winding extensions shall be shaped to ensure adequate winding clearance on motor reassemble.
B.04.03.07	Phase insulation shall be installed between phase coils, prior to coil lacing, to minimize phase-to-phase contact. Separators shall be installed between the top and bottom coil in the core slots.
B.04.03.08	Pre-formed slot wedges shall be used to secure the winding in the stator slot, with shim material as necessary to assure tightness.
B.04.03.09	After the winding is complete, a check shall be made to insure the slot insulation overhangs the core slot edges and is not broken or torn at the core slot edges.
B.04.03.10	All winding and lead connections shall be brazed with a "silver content" rod and insulated with Class "F" insulation.
B.04.03.11	The winding, connections and leads shall be securely laced to form an integral assembly with adequate physical clearance to ground.
B.04.03.12	All leads brought into the connection box shall be numbered and equipped with a compression lug with NEMA standard bolthole.
B.04.03.13	The finished stator winding insulation to ground shall be checked with a 500 Volts megger. The minimum acceptable insulation resistance reading shall be 10 megohms.
B.04.03.14	The completed stator shall be preheated in a temperature-controlled oven to class "F" operating temperature and held at this temperature for one (1) hour.
B.04.03.15	Stator shall be allowed to cool by natural convection to the temperature required by insulation resin manufacturer prior to being dipped in insulating varnish.
B.04.03.16	Stator shall be dipped three (3) times in insulating varnish, repeating processes of items B.04.03.14 and B.04.03.15
B.04.03.17	Form-wound Rewound stators shall go through VPI.

B.04.03.18	Baking shall be done in a temperature controlled and force ventilated oven to effect a complete and uniform cure per manufacturer's instructions.
B.04.03.19	Resin shall be completely removed from the stator frame mechanical fit, outer paint surfaces, and the inner bore of the stator.
B.05	STANDARD RESPONSE TIMES
B.05.01	Contractor shall be accessible to the City via telephone during City of Houston normal business hours. The Contractor shall be ready to start work on any unit within twenty-four (24) hours of receiving the call for the service.
B.05.02	Contractor shall be available and accessible to the City via telephone to work overtime if requested by the UDR.
B.05.03	Contractor shall start an emergency job immediately, without scheduling delays, and will not be restricted to normal working hours. UDR shall coordinate the emergency and overtime work.
B.06	REPAIR TECHNICIANS
B.06.01	The repair technicians of the Contractor shall be qualified, properly trained in repair-recondition and repair-rewind of submersible pumps of the type and sizes specified for this contract.
B.06.02	The repair technicians of the Contractor shall have a minimum of three (3) years experience in repair-recondition and repair-rewind of submersible pumps of the sizes (voltage and horsepower) specified in this contract.
B.06.03	The Contractor shall furnish detailed resume of the technicians to the City Inspection Team during the Team's visit of the Contractor's facility.
B.06.04	The Contractor's electrician working under this contract at City of Houston Wastewater Operations' facilities shall be a Journeyman Electrician licensed by City of Houston.
B.06.05	These requirements shall apply to all of the sub-contractors who work for the Contractor to work on City's submersible pumps under this contract.
B.07	ACCEPTANCE OF REPAIR
B.07.01	SHOP "RUN" TEST
B.07.01.01	The UDR shall inspect the repaired unit before the performance test can begin. It is the Contractor's responsibility to ensure communication has been established with the UDR for witnessing of the performance test.
B.07.01.02	All control sensing devices shall be checked to ensure they meet the OEM specifications. The control sensing devices shall include (but not limited to) thermal sensors, moisture sensors, and thermistors.
B.07.01.03	Perform insulation resistance test before conducting high-potential test using a 500 Volts megohmmeter.

Perform high potential test of windings (new or reconditioned) as stated in EASA AR100-1998, B.07.01.04 Item 4.4 High-Potential Tests. NO LOAD test run of the submersible pump shall be performed at its highest rated voltage and B.07.01.05 frequency. . The voltage and current imbalance shall NOT exceed OEM specified values. If OEM values are not available IEEE and/or NEMA values shall be referenced. Contractor shall record all readings and computations. The submersible pumps unit shall be securely mounted, to a leveled metal base-plate or set on B.07.01.06 standard rubber isolation pads while vibration readings are taken. Vibration level measurements shall be taken on the completely assembled unit at the bearing B.07.01.07 housings (horizontal, axial and vertical positions) adjacent to the shaft. The vibration level limits set in B.00.34 shall not be exceeded. If deficiencies are detected, the repair work shall be rejected and the contractor shall make the B.07.01.08 necessary repairs, adjustments or replacements. After corrective actions are made, the unit shall go through a new Shop test run before the unit is B.07.01.09 dispatched to be installed and undergo Field Test Run. FINAL ACCEPTANCE TESTS, THE FIELD "RUN TEST" B.07.02The UDR shall inspect the repaired unit before the Field Run Test can begin. It is the B.07.02.01 Contractor's responsibility to ensure communication has been established with the UDR for witnessing of the performance test. After the unit is continuously under site's FULL LOAD condition for at least twenty-four hours B.07.02.02 (actual run will be < or = to 24 hours), the Contractor shall measure/record data of start and run. Acceptable values of all readings are as specified by the OEM. The voltage and current imbalance shall NOT exceed OEM specified values. If OEM values are not available IEEE and/or NEMA values shall be the reference. Contractor shall record all readings and computations. B.07.02.03 If deficiencies are detected, the repair work shall be rejected and the contractor shall make the necessary repairs, adjustments or replacements. After corrective actions are made, the unit shall go through a new Field Run Test before the unit B.07.02.04 is accepted. The repair record and report covering teardown report, photographs of the condition of the unit, B.07.02.05 specific measurements, and tests such as balancing of rotating elements, vibration measurements. mechanical measurements, start current, run current, insulation level, and others shall be kept for three years by the Contractor, and shall be furnished to the City if requested by UDR. A typed copy of Repair Data Sheets covering results of specific tests such as rotor balance, B.07.02.06 vibration measurement, electrical testing results, mechanical measurements, rewinding data, and final Shop Final Test as well as Field Run Test sheets shall be included with the shipment of all repaired submersible pumps units, if requested by UDR. B.07.02.07 The City shall not make any payment to the Contractor until ALL corrective actions are made and the equipment repair is accepted.

B.08 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail, or apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used. All interpretations of these specifications shall be made on the basis of this statement.

B.09 <u>Labor Rate</u>

The labor rate shall include ALL costs for a qualified person to work on and repair the City equipment including wages, all company benefits, and company profit.

B.10 ADDITIONAL SERVICES

- B.10.01 Prior to commencement of any Additional Services," Contractor shall submit a written proposal for approval by UDR describing the work to be done and include a good faith estimate of the cost. The proposal shall include as a minimum a list of repairs, sub-contractor(s), and a schedule of the repairs.
- B.10.02 Contractor shall perform Additional Services using the unit rates in the "Bid Forms" as specified for the type of service provided. If the "Bid Forms" do not cover the work the Contractor shall be paid on the reimbursable cost-plus basis. Timing of any Additional Services shall be mutually agreed upon in writing between the UDR and the Contractor.

B.11 WARRANTIES

- B.11.01 Contractor shall observe the highest standards of diligence and care in the performance of repair services and shall meticulously follow the standards and procedures required by the equipment manufacturer.
- B.11.02 The Contractor further warrants that all service and replacement parts it provides shall be in strict compliance with all applicable regulations.
- B.11.03 A minimum full warranty of 12 months is required upon completion of repair services. The warranty period shall begin after satisfactory test run and the day the City officially accepts the repaired unit.
- B.11.04 During the warranty period ALL related work shall be started by Contractor within twenty-four (24) hours after notification and shall be completed within ten (10) days.
- B.11.05 During the warranty period ALL failed units shall be re-repaired or replaced at Contractor's expense if failure occurs under normal operating conditions or if the failure is due to faulty parts or negligence of the Contractor.
- B.11.06 If the number of days a unit is out service for warranty repair exceeds ten (10) business days, the warranty shall be extended by the number of calendar days the unit has been out of service.

B.12 <u>Invoices</u>

Contractor shall submit invoices for payment in triplicate (one original and two copies) that are on Contractor's company stationary with the original signed by an authorized agent of the

ALL SUPPORTING DOCUMENTS SHALL BE ORIGINAL. Each invoice shall include in detail the following information and supporting documents: City Contract number, City Ordinance number, City Organization number, City equipment El B.12.01 Number, City Work Order Number, and Contractor's Job number B.12.02 Contractor's Job Number shall appear clearly on all time sheets, invoices, and suppliers' invoices Contract Year shall appear clearly on all time sheets, invoices, and suppliers' invoices B.12.03 Contractor's name and address and where the service was performed B.12.04 B.12.05 City Facility number and address where equipment had been prior to repair services City Facility number and address where equipment was delivered to after repair services B.12.06 Teardown Repair Form and Repair Scope B.12.07 Cost Estimate Form with detailed description of services rendered. B.12.08 B.12.09 Description of Parts or components repaired or replaced. Provide Part Numbers, listing before and after discount. If parts are OEM reconditioned, the costs to reconditioned parts must be listed as well as the cost of new OEM parts. Detailed invoices of Subcontractors with description of work performed, hours, and total cost. B.12.10 Detailed cost of labor (labor hours and rates as quoted in Bid Forms) for in-house work. B.12.11 Subtotal the costs for parts and labor separately. B.12.12 B.12.13 Clearly indicate the cost of the repair of the unit as a percentage of cost for a new unit City delivery and pickup tickets B.12.14

company. The invoice number shall not be duplicated during the term of the contract periods.

B.12.15 UL re-certification for explosion-proof units B.12.16 Final Acceptance Tests Form

B.12.17 All unit prices for labor and parts shall be easily identified against the quoted contract pricing

B.12.18 Total cost for the job

Mail invoices to Accounts Payable:
Appropriate Department
P.O. Box
Houston, Texas.

B.13 Additions & Deletions:

The City, by written notice from the City Purchasing Agent to the Contractor, at any time during the term of this contract, may add or delete like or similar equipment, locations and/or services to the list of equipment, locations and/or services to be performed. Any such written notice shall take effect on the date stated in the notice from the City. Equipment, locations and/or services added will be subject to the contract services and charges or rates as an item already specified in the fee schedule. In the event the additional equipment, locations and/or service is not identical to any item already under contract, the charges therefore will then be the Contractor's normal and customary charges or rates for the equipment, locations and/or services classified in the fee schedule.

B.14 <u>ESTIMATED QUANTITIES NOT GUARANTEED</u>

The estimated quantities specified herein are not a guarantee of actual quantities, as the City does not guarantee any particular quantity of large submersible pump repair services during the term of this contract. The quantities may vary depending upon the actual needs of the user Department. The quantities specified herein are good faith estimates of usage during the term of this contract. Therefore, the City shall not be liable for any contractual agreements/obligations the Contractor enters into based on the City purchasing/requiring all the quantities specified herein.

B.15 WARRANTY OF SERVICES

a) Definitions: "Acceptance" as used in this clause, means the act of an authorized representative of the City by which the City assumes for itself, approval of specific services as partial or complete performance of the contract.

"Correction" as used in this clause, means the elimination of a defect.

- b) Notwithstanding inspection and acceptance by the City or any provision concerning the conclusiveness thereof, the Contractor warrants that all services performed under this contract will, at the time of acceptance, be free from defects in workmanship and conform to the requirements of this contract. The City shall give written notice of any defect or nonconformance to the Contractor within a one-year period from the date of acceptance by the City. This notice shall state either (1) that the Contractor shall correct or re-perform any defective or non-conforming services at no additional cost to the City, or (2) that the City does not require correction or re-performance.
- c) If the Contractor is required to correct or re-perform, it shall be at no cost to the City, and any services corrected or re-performed by the Contractor shall be subject to this clause to the same extent as work initially performed. If the Contractor fails or refuses to correct or re-perform, the City may, by contract or otherwise, correct or replace with similar services and charge to the Contractor the cost occasioned to the City thereby, or make an equitable adjustment in the contract price.
- d) If the City does not require correction or re-performance, the City shall make an equitable adjustment in the contract price.

EXHIBIT "BB-1" City of Houston, Wastewater Operations Large Submersible Pumps

City of Houston Wastewater Operations Large Submersible Pumps

REVISED 09/11/02

Location	Facility	FACILITY	KEY	PUMP	EI	PURPOSE	Manufacture
	Number	ADDRESS	MAP	#	#		
BISSONNET #4	474	8620 Bissonnet	530-T	1		LIFT PUMP	FLYGT
BISSONNET #4	474	8620 Bissonnet	530-T	2		LIFT PUMP	FLYGT
BISSONNET #4	474	8620 Bissonnet	530-T	3		LIFT PUMP	FLYGT
BISSONNET #4	474	8620 Bissonnet	530-Т	4		LIFT PUMP	FLYGT
BISSONNET #4	474	8620 Bissonnet	530-T	5		LIFT PUMP	FLYGT
MAGNOLIA/HEDRICK	129	1707 Hedrick	495-S	1		LIFT PUMP	KSB
MAGNOLIA/HEDRICK	129	1707 Hedrick	495-S	2		LIFT PUMP	KSB
MAGNOLIA/HEDRICK	129	1707 Hedrick	495-S	3		LIFT PUMP	KSB
MAGNOLIA/HEDRICK	129	1707 Hedrick	495-S	4		LIFT PUMP	KSB
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	1		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	10		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	11		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	12		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	13		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	14		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	2		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	3		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	4		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	5		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494 - K	6		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	7		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494 - K	8		LIFT PUMP	FLYGT
CLINTON DR. #2	399	4309 Clinton Dr.	494-K	9		LIFT PUMP	FLYGT
DAIRY ASHFORD #4	430	3600 Dairy Ashford Rd.	528-D	2		LIFT PUMP	FLYGT
DAIRY ASHFORD #4	430	3600 Dairy Ashford Rd.	528-D	3	-	LIFT PUMP	FLYGT
GREENS BAYOU	096	12870 1/2 Greens Bayou	496-H	1		LIFT PUMP	FLYGT
GREENS BAYOU	096	12870 1/2 Greens Bayou	496-H	2		LIFT PUMP	FLYGT
GREENS BAYOU	096	12870 1/2 Greens Bayou	496-H	3		LIFT PUMP	FLYGT
GREENS BAYOU	096	12870 1/2 Greens Bayou	496-H			LIFT PUMP	FLYGT
GULF FRWY #2	098	8209 Gulf Freeway	535-T	1		LIFT PUMP	FLYGT
GULF FRWY #2	098	8209 Gulf Freeway	535-T			LIFT PUMP	FLYGT

CILLE EDWY #2	098	8209 Gulf Freeway	535-T	2	LIFT PUMP	FLYGT
GULF FRWY #2						FLYGT
GULF FRWY #2	098	8209 Gulf Freeway	535-T	4	LIFT PUMP	
KEEGANS BAYOU	250	9401 White Chapel Ln.	530-S		INFLUENT	FLYGT
KEEGANS BAYOU	250	9401 White Chapel Ln.	530-S	<u> </u>	INFLUENT	FLYGT
KEEGANS BAYOU	250	9401 White Chapel Ln.	530-S		INFLUENT	FLYGT
KEEGANS BAYOU	250	9401 White Chapel Ln.	530-S	-	INFLUENT	FLYGT
MAXEY RD	411	909 Maxey Rd.	496-G		LIFT PUMP	KSB
MAXEY RD	411	909 Maxey Rd.	496-G		LIFT PUMP	KSB
MAXEY RD	411	909 Maxey Rd.	496-G	 	LIFT PUMP	KSB
N. ELDRIDGE UP	122	1011 1/2 N. Eldridge Parkw			LIFT PUMP	FLYGT
N. ELDRIDGE UP	122	1011 1/2 N. Eldridge Parkw	vay 488-C	3	LIFT PUMP	FLYGT
N. ELDRIDGE UP	122	1011 1/2 N. Eldridge Parkw	vay 488-C	4	LIFT PUMP	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P	1	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	2	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	3	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	4	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	5	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	6	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	7	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	8	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	9	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	10	INFLUENT	KSB
SOUTHWEST	190	4211 Beechnut	531-P	1	UNDERFLOW	KSB
SOUTHWEST	190	4211 Beechnut	531-P	2	UNDERFLOW	KSB
SOUTHWEST	190	4211 Beechnut	531-P		UNDERFLOW	KSB
SOUTHWEST	190	4211 Beechnut	531-P		UNDERFLOW	KSB
SOUTHWEST	190	4211 Beechnut	531-P		UNDERFLOW	KSB
SOUTHWEST	190	4211 Beechnut	531-P		•	KSB
SOUTHWEST	190	4211 Beechnut	531-P		RETURNFLOW	
SOUTHWEST	190	4211 Beechnut	531-P		RETURNFLOW	
SOUTHWEST	190	4211 Beechnut	531-P		RETURNFLOW	
SOUTHWEST	190	4211 Beechnut	531-P		RETURNFLOW	
SOUTHWEST	190	4211 Beechnut	531-P		RETURNFLOW	
SOUTHWEST	190	4211 Beechnut	531-P		EFFLUENT	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		EFFLUENT	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		EFFLUENT	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		EFFLUENT	
SOUTHWEST	190	4211 Beechnut				FLYGT
			531-P		EFFLUENT	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		EFFLUENT	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		BACKWASH	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P		BACKWASH	FLYGT
SOUTHWEST	190	4211 Beechnut	531-P	3	BACKWASH	FLYGT

10545 Tidwell Rd. 10545 Tidwell Rd. 10545 Tidwell Rd. 10545 Tidwell Rd. 13525 Old Westheimer	456-B 1 456-B 2 456-B 3 529-A 529-A 529-A	LIFT LIFT LIFT INFLUENT INFLUENT INFLUENT	FLYGT FLYGT KSB KSB
10545 Tidwell Rd. 13525 Old Westheimer 13525 Old Westheimer 13525 Old Westheimer 13525 Old Westheimer	456-B 3 529-A 529-A 529-A	LIFT INFLUENT INFLUENT	FLYGT KSB KSB
13525 Old Westheimer 13525 Old Westheimer 13525 Old Westheimer 13525 Old Westheimer	529-A 529-A 529-A	INFLUENT INFLUENT	KSB KSB
13525 Old Westheimer 13525 Old Westheimer 13525 Old Westheimer	529-A 529-A	INFLUENT	KSB
13525 Old Westheimer 13525 Old Westheimer	529-A		
13525 Old Westheimer		INFLUENT	KCD
	529-A		KSB
13525 Old Westheimer		INFLUENT	KSB
	529-A	INFLUENT	KSB
13525 Old Westheimer	529-A	INFLUENT	KSB
13525 Old Westheimer	529-A	INFLUENT	KSB
13525 Old Westheimer	529-A	INFLUENT	KSB
13525 Old Westheimer	529-A	INFLUENT	KSB
12001 Sowden	451-J 3	LIFT PUMP	FLYGT
4900 Gallagher	571-R 4	100627 LIFT PUMP	KSB
4900 Gallagher	571-R 5	100630 LIFT PUMP	KSB
4900 Gallagher	571-R 6	100633 LIFT PUMP	KSB
4900 Gallagher	571-R 7	100636 LIFT PUMP	KSB
13535 River Trail Drive	415-A 1	LIFT	HOMA
13535 River Trail Drive	415-A2	LIFT	HOMA
13535 River Trail Drive	415-A3	LIFT	НОМА
10601 Huntington Point	528-Y 3	62649 LIFT PUMP	KSB
10601 Huntington Point	528-Y 4	62650 LIFT PUMP	KSB
	13525 Old Westheimer 12001 Sowden 4900 Gallagher 4900 Gallagher 4900 Gallagher 4900 Gallagher 13535 River Trail Drive 13535 River Trail Drive	13525 Old Westheimer 529-A 12001 Sowden 451-J 3 4900 Gallagher 571-R 4 4900 Gallagher 571-R 5 4900 Gallagher 571-R 6 4900 Gallagher 571-R 7 13535 River Trail Drive 415-A 1 13535 River Trail Drive 415-A 2 13535 River Trail Drive 415-A 3 10601 Huntington Point 528-Y 3	13525 Old Westheimer 529-A INFLUENT 12001 Sowden 451-J 3 LIFT PUMP 4900 Gallagher 571-R 4 100627 LIFT PUMP 4900 Gallagher 571-R 5 100630 LIFT PUMP 4900 Gallagher 571-R 6 100633 LIFT PUMP 4900 Gallagher 571-R 7 100636 LIFT PUMP 13535 River Trail Drive 415-A 1 LIFT 13535 River Trail Drive 415-A 2 LIFT 13535 River Trail Drive 415-A 3 LIFT 10601 Huntington Point 528-Y 3 62649 LIFT PUMP

EXHIBIT "BB-2"

Teardown and Recommended Repair Form City of Houston

Public Works & Engineering Department Large Submersible Pump Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract _____Contractor Job #: Contractor: _ Contract #: _____ Ordinance #: _____ City Work Order #: _____ City Facility Name: _____ City Facility #: _____ EI #: ____ Nameplate Information: Volt: HP: RPM: Make: Model: Amp: Hz: SF: Impeller Code: Serial: Visual Inspection: Cable Information: Length Condition Power Cable Size Control Cable Size Length Condition DE Size Condition Bearings ODE Size Condition Bearings Volute Wear Rings Slide Rail Bracket Discharge Face Shaft DE Shaft ODE Face of Rotor Stator Megger Test: _____ Cable Megger Test: Surge Test: Core Loss Test: Recommendation: Recondition-Repair: Rewind-Repair: Other Repairs Needed: _____ Parts Description:

EXHIBIT "BB-3"

U. L. Certification Form

City of Houston Public Works & Engineering Department Large Submersible Pump Repair Service Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor:	· · · · · · · · · · · · · · · · · · ·	Contractor Job #:			
Contract #:	Ordinance #:	City Work (Order #:		
City Facility Name:	City	Facility #:	EI #:		
Nameplate Information:					
Make:	Volt:	HP:	RPM:		
Model:	/ WINP.	1 12-1	SF:		
Serial:	Impeller Code:				
OLD U.L. SERIAL #		NEW SERIAL #			
ORIGINAL CLASS	OR	IGINAL GROUP			
REBUILT CLASS	REB	REBUILT GROUP			
DATE NEW SERIAL # ISSUED)				
WORK DONE					
SUBMERSIBLE PUMP MFGR_					
SUBMERSIBLE PUMP SERIAL	_ #				
HPVOLTS					
INSULATING CLASS	THERMOS	STAT MOUNTING CODE_			
U.L. INSPECTOR NAME:					
U.L. INSPECTOR EMPLOYEE					

EXHIBIT "BB-4"

Shop Acceptance Tests Form City of Houston

Public Works & Engineering Department Large Submersible Pump Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor:		Contractor Job #:				
Contract #:	Ordinance #:	Ordinance #: City Work Order #:				
City Facility Name:	City F	Facility #:	EI #:			
Nameplate Information:						
Make:	Volt:	HP:	RPM:			
Model:	Amp:	Hz:	SF:			
Serial:	Impeller Code:			-		
1						
Stator Megger Test:		····				
Cable Megger Test:						
Hi-Potential Test:						
Source Voltages	V1 =	V2 =	V3 =			
No-Load Currents	l1 =	12 =	13 =			
Vibration	Axial =	Radial =	Vertical =			
Comments and Deficiencies	s:					
Tests Performed By:	Job Title: _		Date:			
Witnessed By LIDR:		Date:				

EXHIBIT "BB-5"

Field Acceptance Tests Form City of Houston

Public Works & Engineering Department Large Submersible Pump Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contractor:		Contract	or Job #:	· · ·
Contract #:	_ Ordinance #:	City We	ork Order #:	
City Facility Name:	City F	acility #:	EI #:	
Nameplate Information:				
Make:	Volt:	HP:	RPM:	
Model:	Amp:	Hz:	SF:	
Serial:	Impeller Code:			
Visual Inspection:				
Stator Megger Test:				
Cable Megger Test:				
Source Voltages	V1 =	V2 =	V3 =	
Run Currents, Closed Valve	I1 =	12 =	13 =	
Currents, Open Valve, Start	l1 =	12 =	13 =	
Currents, Open Valve, after 24 hour	I1 =	12 =	13 =	
Comments and Deficiencies:				
Tests Performed By:	Job Title:		Date:	-
Witnessed By UDR:		Data		

EXHIBIT "BB-6"

Equipment Release Authorization Form City of Houston

Public Works & Engineering Department
Large Submersible Pump Repair Service Contract
Sample Only, Actual Form is subject to change by CTR after Award of the contract

	RELEASE#:		
DATE:		CITY WORK ORDER	#:
CITY FACILITY NAME:	CITY FACI	LITY#:	EI #:
CONTRACTOR:		CONTRACTOR J	OB #:
CONTRACTOR ADDRESS:		····	
CONTRACT #:			ORDINANCE #:
NAMEPLATE INFORMATION:	·		
MAKE:	VOLT:	HP:	RPM:
MODEL:	AMP:	Hz:	SF:
SERIAL:	IMPELLER CODE:		
IS THERE A PICTURE OF THE	SURMERSIBLE ATTACHED?	VFS.	No:
CONTRACTOR REPRESENTAT	IVE	CITY OF HOUSTON	REPRESENTATIVE
Name:	NAME:		
		EMPLOYEE#:	
SIGNATURE:		SIGNATURE:	
EMPLOYEE NUMBER:	·····	Employee Number	
COMMENTS:			

EXHIBIT "BB-7"

Recommended Repair Estimate Form **City of Houston**

Public Works & Engineering Department
Large Submersible Pump Repair Service Contract
Sample Only, Actual Form is subject to change by CTR after Award of the contract

Contract #:	City Work Order #:	
Ordinance #:	Contractor Job #:	
City Facility:	Facility #:	
Submersible Pump:		
Manufacturer:	Work Notification Date:	
Voltage: Current: HP: RPM:	Field Inspection Date:	
Serial #:	Equipment Pull Date:	
EI#:	Estimate Date:	
UNIT PRICE ITEMS:	Unit	
	<u>Price</u> Qty	
Item 1 - Prepare for Removal - Each	1.00	
Item 2 - Transport to Shop - Each	1.00	
Item 3 - Return to City - Each	1.00	
Sub-Total Unit Price Items		
COST PLUS ITEMS:	Contract	
	Cost Mark Up	-
Item 14 -	1.**	
Item 15	1.**	
Item 15- Work by Sub-contractor (see Original invoices)	1.**	
Item 16 - NDT (see parts worksheet)	1.**	
Item 17 - Parts: (see parts Original Invoices)	1.**	
Item 18 - Rented Crane/Rigging	1.**	
Sub-Total Cost Plus Items		
Additional Services (see worksheet):		
Total Estimated Project Costs		2 1 1
Total Estimated Submersible Pump Repair Only		
Replacement Cost of an Identical Unit		
replacement cost of an identical offic		
Repair Cost Expressed as % of Replacement Cost	A STATE OF S	
Repair of Submersible Pump Approved by City of Houston	n:	
Signature/Date – Submersible Pump Repair	Print Name	

EXHIBIT "BB-8"

Progress and Status Report Form
City of Houston
Public Works & Engineering Department
Large Submersible Pump Repair Service Contract

Sample Only, Actual Form is subject to change by CTR after Award of the contract

	Work	Work		Fac.							Date	Shop		
					[Manufac					-		Inspec	İ
Release	Order	Order	E.I.	#	Fac.		Model	Serial	H.P.	Problem	In	Job	t	Τ
Number	#	Date	#		Name		#	#	_		Shop	#	Date	Γ

EXHIBIT "C" EQUAL EMPLOYMENT OPPORTUNITY

- 1. The contractor, subcontractor, vendor, supplier, or lessee will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or age. The contractor, subcontractor, vendor, supplier, or lessee will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, sex, national origin, or age. Such action will include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation and selection for training, including apprenticeship. The contractor, subcontractor, vendor, supplier or lessee agrees to post in conspicuous places available to employees, and applicants for employment, notices to be provided by the City setting forth the provisions of this Equal Employment Opportunity Clause.
- 2. The contractor, subcontractor, vendor, supplier, or lessee states that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin or age.
- 3. The contractor, subcontractor, vendor, supplier, or lessee will send to each labor union or representatives of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer advising the said labor union or worker's representative of the contractor's and subcontractor's commitments under Section 202 of Executive Order No. 11246, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 4. The contractor, subcontractor, vendor, supplier, or lessee will comply with all provisions of Executive Order No. 11246 and the rules, regulations, and relevant orders of the Secretary of Labor or other Federal Agency responsible for enforcement of the equal employment opportunity and affirmative action provisions applicable and will likewise furnish all information and reports required by the Mayor and/or Contractor Compliance Officer(s) for purposes of investigation to ascertain and effect compliance with this program.
- 5. The contractor, subcontractor, vendor, supplier, or lessee will furnish all information and reports required by Executive Order No. 11246, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to all books, records, and accounts by the appropriate City and Federal Officials for purposes of investigations to ascertain compliance with such rules, regulations, and orders. Compliance reports filed at such times as directed shall contain information as to the employment practice policies, program, and work force statistics of the contractor, subcontractor, vendor, supplier, or lessee.
- 6. In the event of the contractor's, subcontractor's, vendor's, supplier's, or lessee's non-compliance with the non-discrimination clause of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor, subcontractor, vendor, supplier, or lessee may be declared ineligible for further City contracts in accordance with procedures provided in Executive Order No. 11246, and such other sanctions may be imposed and remedies invoked as provided in the said Executive Order, or by rule, regulation, or order of the Secretary of Labor, or as may otherwise be provided by law.
- 7. The contractor shall include the provisions of paragraphs 1-8 of this Equal Employment Opportunity Clause in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontractor or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event the contractor becomes involved in, or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.
- 3. The contractor shall file and shall cause his or her subcontractors, if any, to file compliance reports with the City n the form and to the extent as may be prescribed by the Mayor. Compliance reports filed at such times as directed shall contain information as to the practices, policies, programs, and employment policies and employment statistics of he contractor and each subcontractor.

EXHIBIT "D"

MWBE SUBCONTRACT TERMS

Contractor shall ensure that all subcontracts with MWBE subcontractors and suppliers are clearly labeled "THIS CONTRACT IS SUBJECT TO BINDING ARBITRATION ACCORDING TO THE TEXAS GENERAL ARBITRATION ACT" and contain the following terms:

1.

_____ (MWBE subcontractor) shall not delegate or subcontract more than

	subcontract to any other subcontractor or supplier without the express written 's Affirmative Action Director ("the Director").
2.	(MWBE subcontractor) shall permit representatives of the City of
Houston, at all reasonable tim	es, to perform (1) audits of the books and records of the subcontractor, and (2)
inspections of all places wher	e work is to be undertaken in connection with this subcontract. Subcontractor
shall keep such books and re	cords available for such purpose for at least four (4) years after the end of its
	ontract. Nothing in this provision shall affect the time for bringing a cause of
action nor the applicable statut	e of limitations.

- 3. Within five business days of execution of this subcontract, Contractor (prime contractor) and Subcontractor shall designate in writing to the Director an agent for receiving any notice required or permitted to be given pursuant to Chapter 15 of the Houston City Code of Ordinances, along with the street and mailing address and phone number of such agent.
- 4. As concluded by the parties to this subcontract, and as evidenced by their signature hereto, any controversy between the parties involving the construction or application of any of the terms, covenants or conditions of this subcontract shall, on the written request of one party served upon the other or upon notice by Director served on both parties, be submitted to binding arbitration, under the Texas General Arbitration Act (Tex. Civ. Prac. & Rem. Code Ann., Ch. 171 -- "the Act"). Arbitration shall be conducted according to the following procedures:
- a. Upon the decision of the Director or upon written notice to the Director from either party that a dispute has arisen, the Director shall notify all parties that they must resolve the dispute within thirty (30) days or the matter may be referred to arbitration.
- b. If the dispute is not resolved within the time specified, any party or the Director may submit the matter to arbitration conducted by the American Arbitration Association under the rules of the American Arbitration Association, except as otherwise required by the City's contract with American Arbitration Association on file in the Office of the City's Affirmative Action Division.

Upon submittal of the matter to arbitration each party shall pay all fees required by the American Arbitration Association and sign a form releasing the American Arbitration Association and its arbitrators from liability for decisions reached in the arbitration.

In the event the American Arbitration Association no longer administers Affirmative Action arbitration for the City, the Director shall prescribe alternate procedures as necessary to provide arbitration by neutrals in accordance with the requirements of Chapter 15 of the Houston City Code of Ordinances.

e. All arbitrations shall be conducted in Houston, Texas, unless the parties agree to a different location.

EXHIBIT "E" DRUG POLICY COMPLIANCE AGREEMENT

I,				as an owner or officer of
	(Name)	(Print/Type)	(Title)	
				(Contractor)
<u> </u>			(Name of Com	
enter and l positi	into with by the time ons for c	the City of Houston; a the contract is awa	and that by making this arded will be bound by	fer or performance of any and all contracts it may Agreement, I affirm that the Contractor is aware of and agree to designate appropriate safety impact with the following requirements before the City
		procedures for the (Mayor's Amended P	Contractor that meet to olicy on Drug Detection	Free Workplace Policy and related drug testing he criteria and requirements established by the n and Deterrence (Mayor's Drug Policy) and the edures for Contractors (Executive Order No. 1-31).
				onsistent with Health and Human Services (HHS) boratory to perform the drug tests.
			ords of drug tests given firmation of such testing	and the results; and upon request from the City of and results.
	4.	Submit semi-annual [Orug Policy Compliance	Declarations.
I affir 1-31	m on beha is a mater	alf of the Contractor to ial condition of the co	hat full compliance with ntract with the City of Ho	the Mayor's Drug Policy and Executive Order No. puston.
docui	mentation ach of the	in compliance with th	ie Mayor's Drug Policy a	with or failure to timely submit declarations and/or and/or Executive Order No. 1-31 will be considered -award or termination of the contract by the City of
Date			Contract	or Name
			Signatur	e

EXHIBIT "F" Contractor's Certification Of No Safety Impact Positions In Performance Of A City Contract

(Name)(Print/Type)	(Title)
no employee safety impact position	
Date	Contractor Name
	Signature
	Title
l, (PRINT/TYPE)	RUG DETECTION AND DETERRENCE PROCEDURES FOR CONTRACTORS
fifteen (15) employees during an Contractor has no employee safety that will be involved in performing employment position involving job diminished coordination, dexterity,	(Contractor) have authority ct to its bid, and I hereby certify that Contractor has fewer than y 20-week period during a calendar year and also certify that y impact positions as defined in 5.18 of Executive Order No. 1-31 this City Contract. Safety impact position means a Contractor's duties that if performed with inattentiveness, errors in judgment, or or composure may result in mistakes that could present a real sonal health or safety of the employee, co-workers, and/or the
DATE	CONTRACTOR NAME
	SIGNATURE
	TITLE

EXHIBIT "G" DRUG POLICY COMPLIANCE DECLARATION

l,				as an o	wner or off	icer of	
(Name	e) (Print/Type)	(Title)					
		() 1	<u></u>		(Contracto	or or Vendor))
		(Name of 0	Company)				
have persona	l knowledge and full author	rity to make the	following decla	rations:			
This reporting	period covers the precedi	ng 6 months fror	m	to	, 2		
Initials	A written Drug Free Work The policy meets Detection and Deterrence	the criteria es	stablished by				Drug
Initials	Written drug testing proce Drug Detection as Employees have been no	nd Deterrence F	Procedures for				1-31.
Initials	Collection/testing has bee Services (HHS) guideline		compliance wit	th federal He	alth and H	uman	
Initials	Appropriate safety impact performing on the positions during this repo	City of Houstor	contract. The	e number of	employees		ıpact
	From(Start date)	_ to	ti	he following	test has oc	curred	
Initials	(Start date)	(Enc	date)	Ţ		7	
		Random	Reasonable Suspicion	Post Accident	Total		
Number Emp	oloyees Tested						
Number Emp	oloyees Positive						
Percent Emp	ployees Positive]	
Initials	Any employee who tested consistent with the Mayor				e City worl	rsite	
Initials	I affirm that falsification or established guidelines wil				accordance	with	
	ler penalty of perjury that e within my personal know				formation	contained in	this
(Date)			(Typed or P	rinted Name)		
			(Signature)				
			(Title)				

EXHIBIT "H" FEES AND COSTS

YEAR ONE

17.

Flygt Group IV

Reco	ndition-Repair	** VARIOUS RPM AND 460 VOLTS
	Horsepower	
1.	>200 and <= 250	\$8,300.00/each
2.	>250 and <= 300	\$8,300.00/each
3.	>300 and <= 350	\$8,400.00/each
4.	>350 and <= 400	\$9,300.00/each
5.	>400 and <= 450	\$9,300.00/each
6.	>450 and <= 500	\$9,500.00/each
Rewi	nd-Repair	
	<u>Horsepower</u>	** VARIOUS RPM AND 460 VOLTS
7.	>200 and <= 250	\$10,911.00/each
8.	>250 and <= 300	\$10,911.00/each
9.	>300 and <= 350	\$11,200.00/each
10.	>350 and <= 400	\$11,500.00/each
11.	>400 and <= 450	\$11,919.00/each
12.	>450 and <= 500	\$11,919.00/each
rated		tion-Repair and Rewind-Repair of any Flygt Submersible Pump with billed at the base rate of Flgyt above for identical horsepower group
13.	Disconnect unit, cable and associatetc., remove unit from Pit	ed piping, \$3,000.00/each
14.	Transport unit to Contractor's Facili	y \$410.00/each
15.	Transport/Return unit to City facility	\$410.00/each
16.	Install unit, connect its cable and as etc. and perform the test run	sociated piping, \$3,000.00/each

24% mark up

Crane and Rigging (Rental: Original Invoice)

YEAR ONE

Flygt Group IV

18.	Field STANDARD LABOR RATE	\$100.00/per hour
19.	Shop STANDARD LABOR RATE for Electrical	\$50.50./per hour
20.	Shop STANDARD LABOR RATE for Mechanical	\$50.50/per hour
21.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
22.	NON-REPAIRABLE Cost Flygt: Group III	\$700.00/each
23.	Non-Destructive Testing (Original Invoice)	28% mark up
24.	Chroming Shaft (Original Invoice)	28% mark up
25.	Work by Sub-contractor (Original Invoice)	24% mark up
26.	Parts and Material (Original Invoice)	28% mark up
27.	Additional Services	28% mark up
28.	Cost to Replace a unit of Flygt: Group III	28% mark up
29.	EMERGENCY: Recondition-Repair	28% mark up
30.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Mark up % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28

KSB Group IV

Recondition-Repair

** VARIOUS RPM AND 460 VOLTS

<u>Horsepower</u>

31.	>200 and <= 250	\$8,200.00/each
32.	>250 and <= 300	\$8,200.00/each
33.	>300 and <= 350	\$8,200.00 /each

Year One

KSB GROUP-IV

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS
	<u>Horsepower</u>	
34.	>350 and <= 400	\$9,500.00/each
35.	>400 and <= 450	\$9,500.00/each
36.	>450 and <= 500	\$9,500.00/each
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS
37.	>200 and <= 250	\$10,911.00/each
38.	>250 and <= 300	\$10,911.00/each
39.	>300 and <= 350	\$10,911.00/each
40.	>350 and <= 400	\$11,799.00/each
41.	>400 and <= 450	\$11,799.00/each
42.	>450 and <= 500	\$11,799.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY KSB SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF KSB ABOVE FOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

43.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,500.00/each
44.	Transport unit to Contractor's Facility	\$440.00/each
45.	Transport/Return unit to City facility	\$440.00/each
46.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,500.00/each
47.	Crane and Rigging (Rental: Original Invoice)	24% mark up
48.	Field STANDARD LABOR RATE	\$100.00/per hour
49.	Shop STANDARD LABOR RATE for Electrical	\$50.50/per hour
50.	Shop STANDARD LABOR RATE for Mechanical	\$50.50/per hour
51.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
52.	NON-REPAIRABLE Cost KSB: GROUP IV	\$700.00/each

Year One

KSB GROUP-IV

53.	Non-Destructive Testing (Original Invoice)	28% mark up
54.	Chroming Shaft (Original Invoice)	28% mark up
55.	Work by Sub-contractor (Original Invoice)	24% mark up
56.	Parts and Material (Original Invoice)	28% mark up
57.	Additional Services	28% mark up
58.	Cost to Replace a unit of KSB: GROUP IV	28% mark up
59.	EMERGENCY: Recondition-Repair	28% mark up
60.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the KSB above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the KSB above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1. 28

Miscellaneous Group III

Recondition-Repair

** VARIOUS RPM AND 460 VOLTS

Horsepower

	110100001101	
61.	>200 and <= 250	\$8,200.00/each
62.	>250 and <= 300	\$8,200.00/each
63.	>300 and <= 350	\$8,200.00/each
64.	>350 and <= 400	\$9,500.00/each
65.	>400 and <= 450	\$9,500.00/each
66.	>450 and <= 500	\$9,500.00/each
Rewin	d-Repair	** VARIOUS RPM AND 460 VOLTS
67.	>200 and <= 250	\$10,911.00/each

\$10,911.00/each

YEAR ONE

Miscellaneous Group III

Rewind-Repair

** VARIOUS RPM AND 460 VOLTS

Horsepower

68.	>250 and <= 300	\$10,911.00/each
69.	>300 and <= 350	\$10,911.00/each
70.	>350 and <= 400	\$11,799.00/each
71.	>400 and <= 450	\$11,799.00/each
72.	>450 and <= 500	\$11,799.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY MISCELLANEOUS SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF MISCELLANEOUS GROUP III ABOVEFOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

73.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,500.00/each
74.	Transport unit to Contractor's Facility	\$440.00/each
75.	Transport/Return unit to City facility	\$440.00/each
76.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,500.00/each
77.	Crane and Rigging (Rental: Original Invoice)	24% mark up
78.	Field STANDARD LABOR RATE	\$100.00/per hour
79.	Shop STANDARD LABOR RATE for Electrical	\$50.50/per hour
80.	Shop STANDARD LABOR RATE for Mechanical	\$50.50/per hour
81.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
82.	NON-REPAIRABLE Cost Miscellaneous Group III	\$700.00/each
83.	Non-Destructive Testing (Original Invoice)	28% mark up
84.	Chroming Shaft (Original Invoice)	28% mark up
85.	Work by Sub-contractor (Original Invoice)	24% mark up
86.	Parts and Material (Original Invoice)	28% mark up
87.	Additional Services	28% mark up

YEAR ONE

Miscellaneous Group III

88. Cost to Replace a unit of Miscellaneous Group III 28% mark up

89. EMERGENCY: Recondition-Repair 28% mark up

90. EMERGENCY: Rewind-Repair 28% mark up

1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.

- 2. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28

YEAR TWO

Flygt Group IV

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS	
	<u>Horsepower</u>		
1.	>200 and <= 250	\$8,400.00/each	
2.	>250 and <= 300	\$8,400.00/each	
3.	>300 and <= 350	\$8,500.00/each	
4.	>350 and <= 400	\$9,400.00/each	
5.	>400 and <= 450	\$9,400.00/each	
6.	>450 and <= 500	\$9,600.00/each	
Rewi	nd-Repair		
	<u>Horsepower</u>	** VARIOUS RPM AND 460 VOLTS	
7.	>200 and <= 250	\$11,111.00/each	
8.	>250 and <= 300	\$11,111.00/each	
9.	>300 and <= 350	\$11,400.00/each	
10.	>350 and <= 400	\$11,800.00/each	
11.	>400 and <= 450	\$12,119.00/each	
12.	>450 and <= 500	\$12,119.00/each	
IMPORTANT NOTE: The Cost for Recondition-Repair and Rewind-Repair of any Flygt Submersible Pump with rated voltage greater than 460 Volts will be billed at the base rate of Flgyt above for identical horsepower group multiplied by (1.28).			
13.	Disconnect unit, cable and associat	ed piping. \$3,500.00/each	

13.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,500.00/each
14.	Transport unit to Contractor's Facility	\$440.00/each
15.	Transport/Return unit to City facility	\$440.00/each
16.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,500.00/each
17.	Crane and Rigging (Rental: Original Invoice)	24% mark up

YEAR TWO

Flygt Group IV

18.	Field STANDARD LABOR RATE	\$100.00/per hour
19.	Shop STANDARD LABOR RATE for Electrical	\$52.50/per hour
20.	Shop STANDARD LABOR RATE for Mechanical	\$52.50/per hour
21.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
22.	NON-REPAIRABLE Cost Flygt: Group III	\$800/each
23.	Non-Destructive Testing (Original Invoice)	28% mark up
24.	Chroming Shaft (Original Invoice)	28% mark up
25.	Work by Sub-contractor (Original Invoice)	24% mark up
26.	Parts and Material (Original Invoice)	28% mark up
27.	Additional Services	28% mark up
28.	Cost to Replace a unit of Flygt: Group III	28% mark up
29.	EMERGENCY: Recondition-Repair	28% mark up
30.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Mark up % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1.28

KSB Group IV

Recondition-Repair ** VARIOUS RPM AND 460 VOLTS

Horsepower

31.	>200 and <= 250	\$8,400.00/each
32.	>250 and <= 300	\$8,400.00/each
33	>300 and <= 350	\$8 400 00/each

Year TWO

KSB GROUP-IV

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS
	Horsepower	
34.	>350 and <= 400	\$9,600.00/each
35.	>400 and <= 450	\$9,600.00/each
36.	>450 and <= 500	\$9,600.00/each
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS
37.	>200 and <= 250	\$11,111.00/each
38.	>250 and <= 300	\$11,111.00/each
39.	>300 and <= 350	\$11,111.00/each
40.	>350 and <= 400	\$11,919.00/each
41.	>400 and <= 450	\$11,919.00/each
42.	>450 and <= 500	\$11,919.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY KSB SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF KSB ABOVE FOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

43.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,500.00/each
44.	Transport unit to Contractor's Facility	\$440.00/each
45.	Transport/Return unit to City facility	\$440.00/each
46.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3500.00/each
47.	Crane and Rigging (Rental: Original Invoice)	24% mark up
48.	Field STANDARD LABOR RATE	\$100.00/per hour
49.	Shop STANDARD LABOR RATE for Electrical	\$52.50/per hour
50.	Shop STANDARD LABOR RATE for Mechanical	\$52.50/per hour
51.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
52.	NON-REPAIRABLE Cost KSB: GROUP IV	\$800.00/each

Year TWO

KSB GROUP-IV

53.	Non-Destructive Testing (Original Invoice)	28% mark up
54.	Chroming Shaft (Original Invoice)	28% mark up
55.	Work by Sub-contractor (Original Invoice)	24% mark up
56.	Parts and Material (Original Invoice)	28% mark up
57.	Additional Services	28% mark up
58.	Cost to Replace a unit of KSB: GROUP IV	28% mark up
59.	EMERGENCY: Recondition-Repair	28% mark up
60.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the KSB above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the KSB above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1.28

Miscellaneous Group III

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS
	<u>Horsepower</u>	
61.	>200 and <= 250	\$8,300.00/each
62.	>250 and <= 300	\$8,300.00 /each
63.	>300 and <= 350	\$8,300.00/each
64.	>350 and <= 400	\$9,600.00/each
65.	>400 and <= 450	\$9,600.00/each
66.	>450 and <= 500	\$9,600.00/each
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS
67.	>200 and <= 250	\$11,111.00/each

YEAR TWO

Miscellaneous Group III

Rewind-Repair

** VARIOUS RPM AND 460 VOLTS

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_		_	

68.	>250 and <= 300	\$11,111.00/each
69.	>300 and <= 350	\$11,111.00/each
70.	>350 and <= 400	\$11,899.00/each
71.	>400 and <= 450	\$11,899.00/each
72.	>450 and <= 500	\$11,899.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY MISCELLANEOUS SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF MISCELLANEOUS GROUP III ABOVEFOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

73.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,500.00/each
74.	Transport unit to Contractor's Facility	\$440.00/each
75.	Transport/Return unit to City facility	\$440.00/each
76.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,500.00/each
77.	Crane and Rigging (Rental: Original Invoice)	24% mark up
78.	Field STANDARD LABOR RATE	\$100.00/per hour
79.	Shop STANDARD LABOR RATE for Electrical	\$52.50/per hour
80.	Shop STANDARD LABOR RATE for Mechanical	\$52.50/per hour
81.	Shop STANDARD LABOR RATE for Machining	\$68.50/per hour
82.	NON-REPAIRABLE Cost Miscellaneous Group III	\$800.00/each
83.	Non-Destructive Testing (Original Invoice)	28% mark up
84.	Chroming Shaft (Original Invoice)	28% mark up
85.	Work by Sub-contractor (Original Invoice)	24% mark up
86.	Parts and Material (Original Invoice)	28% mark up
87.	Additional Services	28% mark up

YEAR TWO

Miscellaneous Group III

88. Cost to Replace a unit of Miscellaneous Group III 28% mark up

89. EMERGENCY: Recondition-Repair 28% mark up

90. EMERGENCY: Rewind-Repair 28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28

YEAR THREE

Flygt Group IV

** VARIOUS RPM AND 460 VOLTS Recondition-Repair Horsepower \$9,000.00/each >200 and <= 250 1. \$9,000.00/each >250 and <= 300 2. \$9,000.00/each >300 and <= 350 3. >350 and <= 400 \$9,700.00 /each 4. \$9,700.00/each 5. >400 and <= 450 \$9,700.00/each 6. >450 and <= 500 Rewind-Repair ** VARIOUS RPM AND 460 VOLTS <u>Horsepower</u> \$11,411.00/each 7. >200 and <= 250 \$11,411.00/each 8. >250 and <= 300 9. >300 and <= 350 \$11,600.00/each \$12,319.00/each >350 and <= 400 10. 11. >400 and <= 450 \$12,319.00/each 12. >450 and <= 500 \$12,319.00/each IMPORTANT NOTE: The Cost for Recondition-Repair and Rewind-Repair of any Flygt Submersible Pump with rated voltage greater than 460 Volts will be billed at the base rate of Flgyt above for identical horsepower group multiplied by (1.28). Disconnect unit, cable and associated piping, \$3,750.00/each 13. etc., remove unit from Pit Transport unit to Contractor's Facility \$450.00/each 14. 15. Transport/Return unit to City facility \$450.00/each 16. Install unit, connect its cable and associated piping, \$3,750.00/each

24% mark up

etc. and perform the test run

Crane and Rigging (Rental: Original Invoice)

17.

YEAR THREE

Flygt Group IV

18.	Field STANDARD LABOR RATE	\$100.00/per hour
19.	Shop STANDARD LABOR RATE for Electrical	\$55.00/per hour
20.	Shop STANDARD LABOR RATE for Mechanical	\$55.00/per hour
21.	Shop STANDARD LABOR RATE for Machining	\$69.50/per hour
22.	NON-REPAIRABLE Cost Flygt: Group III	\$850.00/each
23.	Non-Destructive Testing (Original Invoice)	28% mark up
24.	Chroming Shaft (Original Invoice)	28% mark up
25.	Work by Sub-contractor (Original Invoice)	24% mark up
26.	Parts and Material (Original Invoice)	28% mark up
27.	Additional Services	28% mark up
28.	Cost to Replace a unit of Flygt: Group III	28% mark up
29.	EMERGENCY: Recondition-Repair	28% mark up
30.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Mark up % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1.28

KSB Group IV

Recondition-Repair

** VARIOUS RPM AND 460 VOLTS

<u>Horsepower</u>

31.	>200 and <= 250	\$8,800.00/each
32.	>250 and <= 300	\$8,800.00/each
33.	>300 and <= 350	\$8,800.00/each

Year THREE

KSB GROUP-IV

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS	
	<u>Horsepower</u>		
34.	>350 and <= 400	\$9,800.00/each	
35.	>400 and <= 450	\$9,800.00/each	
36.	>450 and <= 500	\$9,800.00/each	
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS	
37.	>200 and <= 250	\$11,411.00/each	
38.	>250 and <= 300	\$11,411.00/each	
39.	>300 and <= 350	\$11,411.00/each	
40.	>350 and <= 400	\$12,219.00/each	
41.	>400 and <= 450	\$12,219.00/each	
42.	>450 and <= 500	\$12,219.00/each	

<u>IMPORTANT NOTE</u>: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY KSB SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF KSB ABOVE FOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

43.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,750.00/each
44.	Transport unit to Contractor's Facility	\$450.00/each
45.	Transport/Return unit to City facility	\$450.00/each
46.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,750.00/each
47.	Crane and Rigging (Rental: Original Invoice)	24% mark up
48.	Field STANDARD LABOR RATE	\$100.00/per hour
49.	Shop STANDARD LABOR RATE for Electrical	\$55.00/per hour
50.	Shop STANDARD LABOR RATE for Mechanical	\$55.00/per hour
51.	Shop STANDARD LABOR RATE for Machining	\$69.50/per hour
52.	NON-REPAIRABLE Cost KSB: GROUP IV	\$850.00/each

Year THREE

KSB GROUP-IV

53.	Non-Destructive Testing (Original Invoice)	28% mark up
54.	Chroming Shaft (Original Invoice)	28% mark up
55.	Work by Sub-contractor (Original Invoice)	24% mark up
56.	Parts and Material (Original Invoice)	28% mark up
57.	Additional Services	28% mark up
58.	Cost to Replace a unit of KSB: GROUP IV	28% mark up
59.	EMERGENCY: Recondition-Repair	28% mark up
60.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the KSB above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the KSB above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1.28

Miscellaneous Group III

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS	
	<u>Horsepower</u>		
61.	>200 and <= 250	\$8,600.00/each	
62.	>250 and <= 300	\$8,600.00/each	
63.	>300 and <= 350	\$8,600.00/each	
64.	>350 and <= 400	\$9,800.00/each	
65.	>400 and <= 450	\$9,800.00/each	
66.	>450 and <= 500	\$9,800.00/each	
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS	
67.	>200 and <= 250	\$11,311.00/each	

YEAR THREE

Miscellaneous Group III

Rewind-Repair

** VARIOUS RPM AND 460 VOLTS

Horsepower

68.	>250 and <= 300	\$11,311.00/each
69.	>300 and <= 350	\$11,311.00/each
70.	>350 and <= 400	\$12,122.00/each
71.	>400 and <= 450	\$12,122.00/each
72.	>450 and <= 500	\$12,122.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY MISCELLANEOUS SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF MISCELLANEOUS GROUP III ABOVEFOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

73.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,750.00/each
74.	Transport unit to Contractor's Facility	\$450.00/each
75.	Transport/Return unit to City facility	\$450.00/each
76.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,750.00/each
77.	Crane and Rigging (Rental: Original Invoice)	24% mark up
78.	Field STANDARD LABOR RATE	\$100.00/per hour
79.	Shop STANDARD LABOR RATE for Electrical	\$55.00/per hour
80.	Shop STANDARD LABOR RATE for Mechanical	\$55.00/per hour
81.	Shop STANDARD LABOR RATE for Machining	\$69.50/per hour
82.	NON-REPAIRABLE Cost Miscellaneous Group III	\$850.00/each
83.	Non-Destructive Testing (Original Invoice)	28% mark up
84.	Chroming Shaft (Original Invoice)	28% mark up
85.	Work by Sub-contractor (Original Invoice)	24% mark up
86.	Parts and Material (Original Invoice)	28% mark up
87.	Additional Services	28% mark up

YEAR THREE

Miscellaneous Group III

88. Cost to Replace a unit of Miscellaneous Group III 28% mark up

89. EMERGENCY: Recondition-Repair 28% mark up

90. EMERGENCY: Rewind-Repair 28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28

YEAR FOUR (OPTION YEAR ONE)

Flygt Group IV

Recon	dition-Repair	** VARIOUS RPM AND 460 VOLTS
	<u>Horsepower</u>	
1.	>200 and <= 250	\$11,488.00/each
2.	>250 and <= 300	\$11,488.00/each
3.	>300 and <= 350	\$11,488.00/each
4.	>350 and <= 400	\$12,397.00/each
5.	>400 and <= 450	\$12,397.00/each
6.	>450 and <= 500	\$12,397.00/each
Rewin	d-Repair	
	<u>Horsepower</u>	** VARIOUS RPM AND 460 VOLTS
7.	>200 and <= 250	\$12,510.00/each
8.	>250 and <= 300	\$12,510.00/each
9.	>300 and <= 350	\$12,510.00/each
10.	>350 and <= 400	\$13,419.00/each
11.	>400 and <= 450	\$13,419.00/each
12.	>450 and <= 500	\$13,419.00/each
<u>IMPO</u>	RTANT NOTE: The Cost for Recondit	on-Repair and Rewind-Repair of any Flygt Submersible Pump with

IMPORTANT NOTE: The Cost for Recondition-Repair and Rewind-Repair of any Flygt Submersible Pump with rated voltage greater than 460 Volts will be billed at the base rate of Flgyt above for identical horsepower group multiplied by (1.28).

13.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,750.00/each
14.	Transport unit to Contractor's Facility	\$500.00/each
15.	Transport/Return unit to City facility	\$500.00/each
16.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,750.00/each
17.	Crane and Rigging (Rental: Original Invoice)	24% mark up

YEAR FOUR (OPTION YEAR ONE)

Flygt Group IV

18.	Field STANDARD LABOR RATE	\$105.00/per hour
19.	Shop STANDARD LABOR RATE for Electrical	\$60.00/per hour
20.	Shop STANDARD LABOR RATE for Mechanical	\$60.00/per hour
21.	Shop STANDARD LABOR RATE for Machining	\$70.00/per hour
22.	NON-REPAIRABLE Cost Flygt: Group III	\$900.00/each
23.	Non-Destructive Testing (Original Invoice)	28% mark up
24.	Chroming Shaft (Original Invoice)	28% mark up
25.	Work by Sub-contractor (Original Invoice)	24% mark up
26.	Parts and Material (Original Invoice)	28% mark up
27.	Additional Services	28% mark up
28.	Cost to Replace a unit of Flygt: Group III	28% mark up
29.	EMERGENCY: Recondition-Repair	28% mark up
30.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Mark up % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Flygt above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28

KSB Group IV

Recondition-Repair

** VARIOUS RPM AND 460 VOLTS

Horsepower

31.	>200 and <= 250	\$11,488.00/each
32.	>250 and <= 300	\$11,488.00/each
33.	>300 and <= 350	\$11,488.00/each

Year Four (Option Year One)

KSB GROUP-IV

Recondition-Repair		** VARIOUS RPM AND 460 VOLTS	
	<u>Horsepower</u>		
34.	>350 and <= 400	\$12,397.00/each	
35.	>400 and <= 450	\$12,397.00/each	
36.	>450 and <= 500	\$12,397.00/each	
Rewind-Repair		** VARIOUS RPM AND 460 VOLTS	
37.	>200 and <= 250	\$12,510.00/each	
38.	>250 and <= 300	\$12,510.00/each	
39.	>300 and <= 350	\$12,510.00/each	
40.	>350 and <= 400	\$13,419.00/each	
41.	>400 and <= 450	\$13,419.00/each	
42.	>450 and <= 500	\$13,419.00/each	

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY KSB SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF KSB ABOVE FOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

43.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,750.00/each
44.	Transport unit to Contractor's Facility	\$500.00/each
45.	Transport/Return unit to City facility	\$500.00/each
46.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,750.00/each
47.	Crane and Rigging (Rental: Original Invoice)	24% mark up
48.	Field STANDARD LABOR RATE	\$105.00/per hour
49.	Shop STANDARD LABOR RATE for Electrical	\$60.00/per hour
50.	Shop STANDARD LABOR RATE for Mechanical	\$60.00/per hour
51.	Shop STANDARD LABOR RATE for Machining	\$70.00/per hour
52.	NON-REPAIRABLE Cost KSB: GROUP IV	\$900.00/each

Year Four (Option Year One)

KSB GROUP-IV

53.	Non-Destructive Testing (Original Invoice)	28% mark up
54.	Chroming Shaft (Original Invoice)	28% mark up
55.	Work by Sub-contractor (Original Invoice)	24% mark up
56.	Parts and Material (Original Invoice)	28% mark up
57.	Additional Services	28% mark up
58.	Cost to Replace a unit of KSB: GROUP IV	28% mark up
59.	EMERGENCY: Recondition-Repair	28% mark up
60.	EMERGENCY: Rewind-Repair	28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the KSB above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the KSB above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24 LABOR rate for Emergency work = Standard LABOR rate X 1.28

Miscellaneous Group III

Recondition-Repair ** VARIOUS RPM AND 460 VOLTS

Horsepower

61.	>200 and <= 250	\$11,488.00/each
62.	>250 and <= 300	\$11,488.00/each
63.	>300 and <= 350	\$11,488.00/each
64.	>350 and <= 400	\$12,397.00/each
65.	>400 and <= 450	\$12,397.00/each
66.	>450 and <= 500	\$12,397.00/each
Rewir	nd-Repair	** VARIOUS RPM AND 460 VOLTS
67.	>200 and <= 250	\$12,510.00/each

YEAR FOUR (OPTION YEAR ONE)

Miscellaneous Group III

Rewind-Repair

** VARIOUS RPM AND 460 VOLTS

<u>Horsepower</u>

68.	>250 and <= 300	\$12,510.00/each
69.	>300 and <= 350	\$12,510.00/each
70.	>350 and <= 400	\$13,419.00/each
71.	>400 and <= 450	\$13,419.00/each
72.	>450 and <= 500	\$13,419.00/each

IMPORTANT NOTE: THE COST FOR RECONDITION-REPAIR AND REWIND-REPAIR OF ANY MISCELLANEOUS SUBMERSIBLE PUMP WITH RATED VOLTAGE GREATER THAN 460 VOLTS WILL BE BILLED AT THE BASE RATE OF MISCELLANEOUS GROUP III ABOVEFOR IDENTICAL HORSEPOWER GROUP MULTIPLIED BY (1.28).

73.	Disconnect unit, cable and associated piping, etc., remove unit from Pit	\$3,750.00/each
74.	Transport unit to Contractor's Facility	\$500.00/each
75.	Transport/Return unit to City facility	\$500.00/each
76.	Install unit, connect its cable and associated piping, etc. and perform the test run	\$3,750.00/each
77.	Crane and Rigging (Rental: Original Invoice)	24% mark up
78.	Field STANDARD LABOR RATE	\$105.00/per hour
79.	Shop STANDARD LABOR RATE for Electrical	\$60.00/per hour
80.	Shop STANDARD LABOR RATE for Mechanical	\$60.00/per hour
81.	Shop STANDARD LABOR RATE for Machining	\$70.00/per hour
82.	NON-REPAIRABLE Cost Miscellaneous Group III	\$900.00/each
83.	Non-Destructive Testing (Original Invoice)	28% mark up
84.	Chroming Shaft (Original Invoice)	28% mark up
85.	Work by Sub-contractor (Original Invoice)	24% mark up
86.	Parts and Material (Original Invoice)	28% mark up
87.	Additional Services	28% mark up

YEAR FOUR (OPTION YEAR ONE)

Miscellaneous Group III

88. Cost to Replace a unit of Miscellaneous Group III 28% mark up

89. EMERGENCY: Recondition-Repair 28% mark up

90. EMERGENCY: Rewind-Repair 28% mark up

- 1. If the Bidder is an OEM Distributor/Shop, the Bidder may insert the "DISCOUNT Percentage" (NEGATIVE NUMBER) in the "Markup % column" which will reflect the discount from the OEM's latest published list price. The DISCOUNT PERCENTAGEE shall be subject to audit and shall be no less than what this OEM Distributor/Shop offers to their BEST CUSTOMER in this part of the USA.
- 2. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Recondition-Repair of a submersible pump of identical horsepower, etc.
- 3. Actual invoice shall be based on "Unit Prices" of the Miscellaneous Group III above, for Rewind-Repair of a submersible pump of identical horsepower, etc.

LABOR rate for Overtime work = Standard LABOR rate X 1.24

LABOR rate for Emergency work = Standard LABOR rate X 1.28